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JAMECO[®]

ELECTRONICS

Catalog 123
October 2012





DC Brushless & AC Tubeaxial Fans, Blower & DC Chip Coolers



Complete selection of Fans,
see pages 95-100

Part No.	Manufacturer	Mfr. Part No.	Voltage (VDC)	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing			
												1	10	50	100
2134096	Adda	AD3505MX-G53	5	35 x 35 x 10	6.0	Hypro	130	0.65	UL/CUL/TUV/CE	30	5.5" ¹	\$5.95	\$5.39	\$4.79	\$4.39
2133886	Adda	AD0405LX-G70	5	40 x 40 x 10	4.7	Hypro	80	0.40	UL/CUL/TUV/CE	14	11"	5.95	5.39	4.79	4.39
2134125	Adda	AP0505HB-J90 #	5	50 x 50 x 8	6.0	Ball	120	0.60	UL/CUL/CE	30	5"	5.95	5.39	4.79	4.39
2134109	Adda	AD4505HB-K90	5	45 x 45 x 6	9.5	Ball	140	0.70	CE	33	5"	5.95	5.39	4.79	4.39
2121471	Adda	AB4505HX-QA†	5	45 x 45 x 6	2.1	Hypro	140	0.70	CE	32.6	3.5" ¹	8.95	7.95	6.95	5.95
2133915	Adda	AD0412MX-G70	12	40 x 40 x 10	5.7	Hypro	80	0.96	UL/CUL/TUV/CE	20	11.5"	5.95	5.39	4.79	4.39
2133923	Adda	AD0412UX-G70	12	40 x 40 x 10	7.0	Hypro	100	1.20	CE	25	11"	6.95	6.25	5.59	4.95
2133894	Adda	AD0412HB-D56	12	40 x 40 x 15	9.2	Ball	120	1.44	UL/CUL/TUV/CE	39	11" ¹	5.95	5.39	4.79	4.39
2133907	Adda	AD0412MB-C50	12	40 x 40 x 20	8.5	Ball	80	0.96	UL/CUL/TUV/CE	28.5	11"	5.95	5.39	4.79	4.39
2134141	Adda	AP4512MX-G90 #	12	45 x 45 x 10	5.2	Hypro	60	0.72	UL/CUL/CE	23.8	5"	5.95	5.39	4.79	4.39
2134117	Adda	AD5012LX-D70	12	50 x 50 x 15	10.4	Hypro	80	0.96	UL/CUL/TUV/CE	22.7	5.5"	6.95	6.25	5.59	4.95
2133982	Adda	AD0612LS-C70(GL)	12	60 x 60 x 20	13.3	Sleeve	80	0.96	UL/CSA/TUV/CE	21.6	12"	5.95	5.39	4.79	4.39
2150766	Adda	AD0612HB-A72GL	12	60 x 60 x 25	23.2	Ball	230	2.7	UL/CUL/TUV/CE	32.3	12" ²	7.95	6.95	5.95	4.95
2134045	Adda	AD1212LB-F51	12	120 x 120 x 38	72.3	Ball	240	2.88	UL/CUL/TUV/CE	32.9	11"	9.95	8.95	7.95	6.95
2133931	Adda	AD0424HB-G73	24	40 x 40 x 10	6.7	Ball	90	2.16	UL/CUL/TUV/CE	25	12" ¹	9.95	8.95	7.95	6.95
2133940	Adda	AD0424UB-C56	24	40 x 40 x 20	11	Ball	90	2.16	CE	31.9	11" ²	8.95	7.95	6.95	5.95
2134029	Adda	AD0624MB-C70GL	24	60 x 60 x 20	14.5	Ball	80	1.92	UL/CUL/CE	25.7	12"	5.95	5.39	4.79	4.39
2134150	Adda	AD0824UB-A71GL *	24	80 x 80 x 25	50	Ball	260	6.24	CE	41	12"	9.95	8.95	7.95	6.95
2134061	Adda	AD1224HS-F51	24	120 x 120 x 38	104.8	Sleeve	320	7.68	UL/CSA/TUV/CE	42.8	10.5"	10.95	9.95	8.95	7.95
2134352	Adda	AD1348HB-F53	48	127 x 127 x 38	161	Ball	230	11	UL/CUL/TUV/CE	53	11" ¹	12.95	11.49	9.95	8.95
2131856	Adda	AA8381HS-AW-LF	115VAC	80 x 80 x 38	30	Sleeve	100	8.9	UL/CSA/TUV/CE	31	12" leads	10.95	9.95	8.95	7.95
2131830	Adda	AA1251MB-AT-LF	115VAC	120 x 120 x 25	69.4	Ball	190	19.6	UL/CSA/TUV/CE	38.7	Terminals	9.95	8.95	7.95	6.95
2126070	Adda	AA1281LS-AT-LF	115VAC	120 x 120 x 38	75.6	Sleeve	140	9.2	UL/CUL/TUV/CE	40	Terminals	9.95	8.95	7.95	6.95
2133801	Adda	AA1282DB-AT	220VAC	120 x 120 x 38	74.7	Ball	60	8.0	UL/CUL/TUV/CE	39.2	Terminals	9.95	8.95	7.95	6.95

¹ 3 leads; speed sensor

² 3 leads; locked rotor alarm protection

DC chip cooler

* Waterproof

† Blower



Regulated AC-to-DC Switching Power Supplies



GlobTek®

Stay fully charged with these versatile and economical power supplies that are built to last.

See pages 115-121 for more AC-to-DC Switching Power Supplies

Part No.	Manufacturer	Mfr. Part No.	Description	Output Voltage @ Max. Current	Pricing		
					1	10	50
2151208	ReliaPro	LFS123000D-A8B	36W wall adapter, input: 100-240VAC @ 50-60Hz, 2.1mm x 5.5mm female center positive output plug, 3-wire AC plug, LED indicator	12V @ 3A	\$19.95	\$17.95	\$16.49
2155321	ReliaPro	PA1045-120T2B375-APF02	45W table-top, universal input, 2.1mm x 5.5mm female center positive output plug, CEC Level V compliant, AC cord not included (recommend P/N 38050, pg 114)	12V @ 3.75A	24.95	22.49	19.95
2155330	ReliaPro	PA1045-120T2B375-APF04	45W table-top, universal input, 2.5mm x 5.5mm female center positive output plug, CEC Level V compliant, AC cord not included (recommend P/N 38050, pg 114)	12V @ 3.75A	24.95	22.49	19.95
2138839	Globtek	SP-200-12GL(R)	200W enclosed-frame, universal input, PFC function, 11.4VDC-13.2VDC voltage adjustment, overload/over-voltage/over-temperature protection, 79% efficiency	12V @ 16.7A	29.95	24.95	19.95
2154951	Mean Well	GS60A18-P1JU	60W table-top, universal input, 2.1mm x 5.5mm female center positive plug, meets EISA 2007, AC cord not included (recommend P/N 38050, pg 114)	18V @ 3.33A	39.95	35.95	32.49
2078338	Mean Well	GS90A24-P1M	90W table-top, input: 100-240VAC @ 50-60Hz, 2.5mm x 5.5mm female center positive plug, built-in PFC, CEC Level IV compliant, AC cord not included (recommend P/N 38050, pg 114)	24V @ 3.75A	44.49	41.49	38.95



0.84" OLED Display



This small 96x16 pixel OLED display is controlled via I²C fast-mode, with a bit rate up to 400kbit/sec. With the optional Chip Select pin, multiple display modules can be controlled on the same I²C line for added functionality. Small in size yet super-bright, this display is great for use in any environment.

- Resolution: 96x16
- SSD1306 driver
- Color: monochrome (light blue)
- 256 step contrast/brightness control
- Embedded display buffer
- Embedded horizontal and vertical scrolling functions
- Fast-mode I²C (400kHz)
- Power supply: 4.1V to 6V @ 27.5mA max.
- Simple 4-wire connection: 5V, GND, SDA, SCL
- Active low reset pin
- Operating temperature: -40°C to +85°C
- Visible size: 0.84" x 0.14" (21.1 x 3.5mm)
- Total size: 1.17" x 0.59" x 0.15" (29.7 x 14.9 x 3.9mm)



Front

Back

Part No.	Mfr. Part No.	Description	1	5	25
2157407	MINI-I2C OLED	0.84" OLED display	\$19.95	\$17.95	\$16.49

For more OLED and other LCD Displays, see pages 31-32

Against the Wall (San Francisco 1934)

The cover features another famous depression era image from photographer Dorothea Lange. Lange wrote that with "Against the Wall" she wanted "to take a picture of a man as he stood in his world—in this case a man with his head down, his back against the wall, with his livelihood, like the wheel barrow, overturned".

Millions have lost their jobs, homes and seen life savings devastated. It seems obvious to us that a combination of deregulation and Wall Street greed fueled the crisis and yet we are disappointed that no one has been prosecuted or held accountable.

At Jameco we believe in accountability to our employees, our vendors and, most of all, our

customers. After sending our best athletes to London this past summer, can you blame us for expecting similar exceptional qualities from the people leading our country?

None among us should have his back to the wall, his head down, or his livelihood overturned. All of us are responsible for holding our government accountable.

Tuesday, November 6, 2012 is Election Day in the United States. Find out more about registering to vote at www.RegisterToVote.org, a nonpartisan organization dedicated to increasing participation in elections.



Dorothea Lange on her car 1936

Dorothea Lange, Man Beside Wheelbarrow, 1934. Copyright the Dorothea Lange Collection, the Oakland Museum of California. City of Oakland. Gift of Paul S. Taylor

Look for the newest Forrest M. Mims III puzzler on page 61 | New Club Jameco Kits pages 184 & 185

The Jameco Difference

Customer Service

We work hard to provide the best customer service in the industry. Our management team's first priority is listening and responding to customer feedback. You can email the management team directly at Management@Jameco.com with your feedback and expect a prompt and personal response.



Improved Shipping Options

Jameco has been hard at work expanding shipping options which for many have significantly reduced your shipping cost. Whether you are looking low pricing on air shipping or just want it as inexpensive as possible, Jameco's expanded options are likely to save you money.



Selection

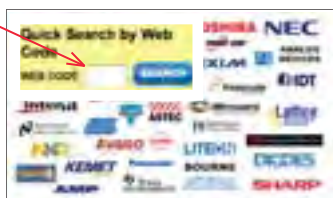
If you want great service, low prices and a reliable supplier of low-cost electronic components, give Jameco a try. We carry house brands, factory over-runs and are franchised with over 175 name brands. Look for our spec-by-spec, feature-by-feature comparison-shopping. Jameco has long standing relationships with manufacturers around the world, and we work hard to source a wide selection of value components. You'll find a great selection, low prices, and what you need is in stock over 99% of the time.



Catalog Tools

This catalog offers only a portion of the over 50,000 products Jameco carries. If you find an interesting product category use the web code to easily jump from catalog to the website where you can find more products in the category, plus the latest pricing and availability information.

Search by webcode



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














































Prices and discounts are subject to change without notice.

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Please refer to data sheets at www.Jameco.com for more detailed illustrations and specifications

7400 Series

*Web Code: XAG

* Order in multiples of 10

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
48979	+	7400N**	DIP-14	Quad 2-input pos. NAND gate	\$1.29	\$1.15	\$.95
910901	TI	SN7400N	DIP-14	Quad 2-input pos. NAND gate	1.45	1.19	1.05
49007	+	7401N	DIP-14	Quad 2-input NAND gate (O.C.)	.99	.89	.79
49015	+	7402N*	DIP-14	Quad 2-input pos. NOR gate	1.75	1.55	1.35
49040	+	7404N**	DIP-14	Hex inverter	1.49	1.35	1.09
49074	+	7405N*	DIP-14	Hex inverter (O.C.)	.99	.89	.79
49091	+	7406N**	DIP-14	Hex inverter buffer/driver	.95	.85	.65
49120	+	7407N**	DIP-14	Hex buffer/driver	.95	.85	.65
49146	+	7408N*	DIP-14	Quad 2-input pos. AND gate	2.25	2.05	1.85
49189	+	7410N*	DIP-14	Triple 3-input pos. NAND gate	.99	.89	.79
49402	+	7413N	DIP-14	Dual 4-input pos. NAND gate	.99	.89	.79
49437	+	7414N*	DIP-14	Hex schmitt-trigger inverter	.99	.89	.79
49630	+	7416N*	DIP-14	Hex inverter buffer/driver (O.C.)	1.49	1.25	1.05
49728	+	7417N*	DIP-14	Hex buffer/driver (O.C. hi-volt.)	1.29	1.15	.89
50008	+	7420N*	DIP-14	Dual 4-input NAND gate	.99	.89	.75
50139	+	7427N*	DIP-14	Triple 3-input NOR gate	1.09	.99	.89
50227	+	7430N*	DIP-14	8-input NAND gate	.99	.89	.79
50235	+	7432N*	DIP-14	Quad 2-input pos. OR gate	1.75	1.55	1.35
50315	+	7438N*	DIP-14	Quad 2-input NAND buffer	1.09	.99	.89
50374	+	7442N	DIP-16	4 line BCD to 10 line decimal decoder	1.95	1.75	1.49
50403	+	7445N	DIP-16	BCD-to-decimal decoder/driver	1.85	1.65	1.45
50420	+	7447N*	DIP-16	BCD-to-7 seg. decoder/driver	2.49	2.25	1.95
50534	+	7473N	DIP-14	Dual J-K neg-edge-triggered flip-flop	1.95	1.75	1.59
50551	+	7474N**	DIP-14	Dual D type flip-flop	1.29	1.19	1.09
50577	+	7475N	DIP-16	4-bit bistable latch	2.75	2.49	2.25
50593	+	7476N	DIP-16	Dual J-K pos-edge-triggered flip-flop	2.95	2.65	2.39
50631	+	7483N	DIP-16	4-bit binary full adder	2.95	2.75	2.49
50657	+	7485N*	DIP-16	4-bit magnitude comparator	2.49	2.25	1.95
50665	+	7486N	DIP-14	Quad 2-input exclusive OR gate	2.25	2.09	1.95
50681	+	7489N	DIP-16	64-bit read/write memory	3.95	3.75	3.49
50690	+	7490N	DIP-14	Asynchronous decade counter	2.95	2.65	2.39
50745	+	7493N	DIP-14	4-bit binary counter	1.95	1.75	1.49
50770	+	7495N	DIP-14	4-bit parallel-access shift register	1.95	1.75	1.49
49234	+	74107N*	DIP-14	Dual J-K flip-flop with clear	.99	.89	.79
49322	+	74121N*	DIP-14	Monostable multivibrator	2.75	2.39	1.95
49357	+	74123N*	DIP-16	Dual monostable multivibrator	3.49	3.25	2.75
49373	+	74125N	DIP-14	Tri-state quad bus buffer	.99	.89	.79
49496	+	74148N	DIP-16	8-to-3 line priority encoder	1.19	1.09	.95
49509	+	74150N	DIP-24	1-of-16 data selector/multiplexer	3.49	2.95	2.49
49525	+	74151N*	DIP-16	1-of-8 data selector/multiplexer	.79	.69	.45
49550	+	74153N*	DIP-16	Dual 4-to-1 data selector/multiplexer	.99	.89	.79
49568	+	74154N	DIP-24	4-to-16 line decoder/demultiplexer	2.75	2.55	2.35
49605	+	74157N*	DIP-16	Quad 2-to-1 line data selector	1.19	1.09	.95
49648	+	74160N*	DIP-16	Synchronous decade counter	.79	.69	.59
49664	+	74161N	DIP-16	4-bit synchronous binary counter	.89	.79	.69
49672	+	74163N	DIP-16	4-bit synchronous binary counter	.79	.59	.39
49681	+	74164N	DIP-14	8-bit serial shift register	.89	.79	.59
49699	+	74165N	DIP-16	8-bit serial shift register, parallel load	***	.15	.12
49779	+	74174N*	DIP-16	Hex D-type flip-flop with clear	1.09	.99	.89
49795	+	74175N*	DIP-16	Quad D-type flip-flop with clear	1.35	1.25	1.15
49832	+	74180N	DIP-14	9-bit odd/even parity generator/checker	***	.19	.15
49883	+	74189N	DIP-16	Tri-state 64-bit RAM	2.95	2.75	2.49
49904	+	74191N	DIP-16	Synch. 4-bit up/down binary counter	1.49	1.25	1.09
49912	+	74192N	DIP-16	Synch. 4-bit up/down decade counter	3.95	3.75	3.49
49939	+	74193N	DIP-16	Synch. 4-bit up/down binary counter	2.95	2.75	2.49
49955	+	74194N	DIP-16	4-bit bi-directional shift register	1.95	1.75	1.49
49963	+	74195N	DIP-16	4-bit parallel-access shift register	.99	.79	.59

*10 pcs./ **20 pcs. in 7400 series IC cabinet kit, top right

TTL Logic Data Book (1988)

Texas Instruments Contains specifications and technical information on a broad line of TTL integrated circuits including Schottky TTL circuits. (1240 pages)

Part No.	Description	Size (in.)	Wt. (lbs.)	1	5
88225	TTL Logic Data Book	6.0" x 8.5"	2.6	\$24.95	\$22.95

* NXP = NXP/Philips | TI = Texas Instruments | + Major Brands

7400 Series IC Kit

*Web Code: CKS

Includes: 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 153 and 30 adhesive labels for drawers to identify parts in kit

10 each: 7402, 7405, 7408, 7410, 7414, 7416, 7417, 7420, 7427, 7430, 7432, 7438, 7447, 7485, 74107, 74121, 74123, 74132, 74151, 74153, 74157, 74160, 74174, 74175, 74279

20 each: 7400, 7404, 7406, 7407, 7474

Part No.	Description	Wt. (lbs.)	1	5
84953	350 pcs. 7400 IC kit	6.2	\$294.95	\$269.95

*Web Code: CBA

74AC/ACT/AHC/ALS Series

Please Note: Manufacturer may vary

* Order in multiples of 10

Part No.	Product No.	Pkg.	Description	1	10	100
264145	74AC10M	SOIC-14	Triple 3-input pos. NAND gate	***	\$.07	\$.05
238887	74AC10N	DIP-14	Triple 3-input pos. NAND gate	***	.09	.07
239054	74ACT174N	DIP-16	Hex D-type flip-flop with clear	***	.09	.07
211895	74AC240N	DIP-20	Octal buffer/line driver	.59	.49	.39
211908	74AC244N	DIP-20	Tri-state octal buffer/line driver	***	.09	.07
212054	74ACT244N	DIP-20	Tri-state octal buffer/line driver	***	.12	.09
214199	74AHC245N	DIP-20	Tri-state octal bus transceiver	***	.09	.07
214236	74AHC574N	DIP-20	Tri-state octal D-type flip-flop	***	.12	.09
245294	74ALS00AN	DIP-14	Quad 2-input pos. NAND gate	***	.15	.12

*74ALS/ALVC Series Online — Enter Web Code SVC

74C Series

Please Note: Manufacturer may vary

*Web Code: RAG

Part No.	Product No.	Pkg.	Description	1	10	100
44222	74C00N	DIP-14	Quad 2-input pos. NAND gate	\$2.19	\$1.95	\$1.75
44257	74C14N	DIP-14	Hex schmitt-trig. inverter (CD40106)	1.95	1.75	1.49
44361	74C221N	DIP-16	Dual monostable multivibrator	4.95	4.49	3.95
44409	74C374N	DIP-20	Octal D-type flip-flop	2.95	2.75	2.49
44521	74C912N	DIP-28	6-digit BCD display controller/driver	3.95	3.49	3.25
44564	74C922N	DIP-18	16-key keyboard encoder	8.95	7.95	7.25
44572	74C923N	DIP-20	20-key keyboard encoder	7.95	6.95	6.25
44599	74C926N	DIP-18	4-digit counter w/ 7-seg. output driver	12.95	11.95	10.95

74F Series

Please Note: Manufacturer may vary

*Web Code: CEN

Part No.	Product No.	Pkg.	Description	1	10	100
286993	74F02N	DIP-14	Quad 2-input pos. NOR gate	***	\$.19	\$.15
287005	74F04N	DIP-14	Hex inverter	.35	.29	.25
287013	74F08N	DIP-14	Quad 2-input pos. AND gate	.45	.39	.35
287021	74F14N	DIP-14	Hex schmitt trigger inverter	.29	.25	.19
287048	74F32N	DIP-14	Quad 2-input pos. OR gate	.45	.39	.35
287620	74F74D	SOIC-14	Dual D-type flip-flop	***	.07	.05
287056	74F74N	DIP-14	Dual D-type flip-flop	.39	.35	.29
287611	74F86D	SOIC-14	Quad 2-input exclusive OR gate	***	.05	.03
287064	74F86N	DIP-14	Quad 2-input exclusive OR gate	.35	.29	.25
245171	74F157AN	DIP-16	Quad 2-to-1 line data selector	***	.05	.03
287540	74F244D	SOIC-20	Tri-state octal buffer/line driver	***	.07	.05
287144	74F245N	DIP-20	Tri-state octal bus transceiver	.29	.22	.15

74HC Series

*Web Code: SDJ

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
45161	✦	74HC00N	DIP-14	Quad 2-input pos. NAND gate ..	\$.35	\$.29	\$.25
906339	NXP	74HC00N	DIP-14	Quad 2-input pos. NAND gate ....	.35	.29	.25
835219	TI	SN74HC00N	DIP-14	Quad 2-input pos. NAND gate .....	.39	.35	.29
45188	✦	74HC02N	DIP-14	Quad 2-input pos. NOR gate .....	.35	.29	.25
45209	✦	74HC04N	DIP-14	Hex inverter .....	.35	.29	.25
250982	TI	SN74HC04N	DIP-14	Hex inverter .....	.35	.29	.25
906574	NXP	74HC04N	DIP-14	Hex inverter .....	.35	.29	.25
45225	✦	74HC08N	DIP-14	Quad 2-input pos. AND gate .....	.35	.29	.25

Continued on next page

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

74HC, 74HCT & 74LS Series

4 LEVELS OF SAVINGS			
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE

74HC Series (Continued)

*Web Code: SDJ

* Order in multiples of 10

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
45233	+	74HC10N	DIP-14	Triple 3-input pos. NAND gate ..	\$.39	\$.35	\$.29
45364	+	74HC14N	DIP-14	Hex schmitt-trigger inverter .....	.35	.29	.25
251045	TI	SN74HC14N	DIP-14	Hex schmitt-trigger inverter .....	.39	.35	.29
915841	TI	SN74HC27DR	SOIC-14	Triple 3-input pos. NOR gate	*	.07	.05
908799	NXP	74HC32D-T	SOIC-14	Quad 2-input pos. OR gate	*	.07	.05
45794	+	74HC32N	DIP-14	Quad 2-input pos. OR gate .....	.29	.25	.22
251088	TI	SN74HC32N	DIP-14	Quad 2-input pos. OR gate .....	.35	.29	.25
46130	+	74HC74N	DIP-14	Dual D-type flip-flop .....	.35	.29	.25
46181	+	74HC86N	DIP-14	Quad 2-input exclusive OR gate .....	.35	.29	.25
45292	+	74HC123N	DIP-16	Dual monostable multivibrator .....	.39	.35	.29
45305	+	74HC125N	DIP-14	Tri-state quad bus buffer .....	.29	.25	.22
380146	TI	SN74HC132PW	TSSOP-14	Quad 2-input NAND schmitt trigger ...	*	.09	.07
45321	+	74HC132N	DIP-14	Quad 2-input NAND schmitt trigger .....	.35	.29	.25
86182	+	74HC138D	SOIC-16	3-to-8 line decoder/demultiplexer ..	*.05	.05	.03
45330	+	74HC138N	DIP-16	3-to-8 line decoder/demultiplexer .....	.35	.29	.25
45401	+	74HC154N	DIP-24	4-to-16 line decoder (0.3" wide) ....	.99	.89	.79
45487	+	74HC164N	DIP-14	8-bit serial shift register .....	.35	.29	.25
251328	TI	SN74HC164N	DIP-14	8-bit serial shift register .....	.39	.35	.29
45495	+	74HC165N	DIP-16	8-bit parallel load shift register ....	.35	.29	.25
251336	TI	SN74HC165N	DIP-16	8-bit parallel load shift register ....	.39	.35	.29
45541	+	74HC192N	DIP-16	Synch. 4-bit up/down decade counter ...	.65	.55	.45
45655	+	74HC244N	DIP-20	Tri-state octal buffer/line driver .....	.35	.29	.25
45671	+	74HC245N	DIP-20	Tri-state octal buffer/line driver .....	.35	.29	.25
45743	+	74HC273N	DIP-20	Octal D-type flip-flop .....	.39	.35	.29
45831	+	74HC373N	DIP-20	Octal D-type transparent latch .....	.45	.39	.29
45858	+	74HC374N	DIP-20	Octal D-type flip-flop .....	.45	.39	.29
380998	+	74HC540T	TSSOP-20	Tri-state octal buffer/line driver	*	.09	.07
381000	TI	SN74HC541PW	TSSOP-20	Tri-state octal buffer/line driver	*	.09	.07
46050	+	74HC541N	DIP-20	Tri-state octal buffer/line driver ....	.45	.39	.35
46076	+	74HC573N	DIP-20	3-st. octal D-type transparent latch .....	.45	.39	.35
46084	+	74HC574N	DIP-20	Tri-state octal D-type flip-flop .....	.45	.39	.35
46105	+	74HC595N	DIP-16	8-bit shift register w/ output latch ...	.49	.39	.29
911189	NXP	74HC595N	DIP-16	8-bit shift register w/ output latch ...	.55	.45	.35
251643	TI	SN74HC595N	DIP-16	8-bit shift register w/ output latch ...	.55	.45	.35
45891	+	74HC4017N	DIP-16	Hi speed decade counter/divider .....	.45	.39	.35
45920	+	74HC4040N	DIP-16	12-bit asynch. binary counter .....	.39	.35	.29
45971	+	74HC4066N	DIP-14	Quad bilateral analog switch .....	.39	.35	.29
252566	TI	CD74HC4316M	SOIC-16	High speed quad analog switch	*	.19	.15

74HCT Series

Please Note: Manufacturer may vary

*Web Code: SAG

* Order in multiples of 10

Part No.	Product No.	Pkg.	Description	1	10	100
246027	74HCT00M	SOIC-14	Quad 2-input pos. NAND gate	\$.07	\$.07	\$.05
44871	74HCT00N	DIP-14	Quad 2-input pos. NAND gate .....	.29	.25	.22
44898	74HCT04N	DIP-14	Hex inverter .....	.25	.22	.17
63765	74HCT05N	DIP-14	Hex inverter (O.C.) .....	.29	.22	.15
44901	74HCT08N	DIP-14	Quad 2-input pos. AND gate .....	.29	.25	.22
912296	74HCT14D-T	SOIC-14	Hex schmitt-trigger inverter	*	.07	.05
44935	74HCT14N	DIP-14	Hex schmitt-trigger inverter .....	.29	.25	.22
45137	74HCT74N	DIP-14	Dual D-type flip-flop .....	.29	.25	.22
45145	74HCT86N	DIP-14	Quad 2-input exclusive OR gate .....	.29	.25	.22
44927	74HCT138N	DIP-16	3-to-8 decoder/demultiplexer .....	.35	.29	.25
381253	SN74HCT240PW	TSSOP-20	Octal buffer/line driver	*	.09	.07
45022	74HCT244N	DIP-20	Tri-state octal buffer/line driver .....	.35	.29	.25
45031	74HCT245N	DIP-20	Tri-state octal bus transceiver .....	.45	.39	.29
45065	74HCT373N	DIP-20	Octal D-type transparent latch .....	.39	.35	.29
45073	74HCT374N	DIP-20	Octal D-type flip-flop .....	.39	.35	.29
45090	74HCT573N	DIP-20	3-st. octal D-type transparent latch .....	.45	.39	.29
45129	74HCT688N	DIP-20	8-bit magnitude comparator .....	.69	.59	.49

74LS Series

*Web Code: NBS

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
46252	+	74LS00N**	DIP-14	Quad 2-input pos. NAND gate	\$.45	\$.39	\$.35
46253	+	74LS00N	DIP-14	Quad 2-input pos. NAND gate .....	.49	.45	.39
283725	TI	SN74LS00N	DIP-14	Quad 2-input pos. NAND gate .....	.49	.45	.39
46287	+	74LS02N**	DIP-14	Quad 2-input pos. NOR gate .....	.49	.45	.35
283741	TI	SN74LS02N	DIP-14	Quad 2-input pos. NOR gate .....	.55	.49	.39
46308	+	74LS03N	DIP-14	Quad 2-input pos. NAND gate (O.C.) ..	.59	.49	.45
283784	TI	SN74LS03N	DIP-14	Quad 2-input pos. NAND gate (O.C.) ..	.85	.69	.59
46316	+	74LS04N**	DIP-14	Hex inverter .....	.49	.45	.39
46318	+	74LS04N	DIP-14	Hex inverter .....	.55	.49	.45
283792	TI	SN74LS04N	DIP-14	Hex inverter .....	.55	.49	.45
46341	+	74LS05N*	DIP-14	Hex inverter (O.C.) .....	.59	.49	.45
46359	+	74LS06N	DIP-14	Hex inverter buffer/driver .....	.89	.75	.59
46367	+	74LS07N	DIP-14	Hex buffer/driver .....	.75	.65	.55
46375	+	74LS08N**	DIP-14	Quad 2-input pos. AND gate .....	.45	.39	.35
295401	TI	SN74LS08N	DIP-14	Quad 2-input pos. AND gate .....	.49	.45	.39
46391	+	74LS09N	DIP-14	Quad 2-input pos. AND gate (O.C.) ..	.55	.45	.39
46404	+	74LS10N*	DIP-14	Triple 3-input pos. NAND gate .....	.59	.49	.39
46439	+	74LS11N*	DIP-14	Triple 3-input pos. AND gate .....	.59	.49	.39
46640	+	74LS14N*	DIP-14	Hex schmitt-trigger inverter .....	.49	.39	.29
295460	TI	SN74LS14N	DIP-14	Hex schmitt-trigger inverter .....	.55	.45	.35
47095	+	74LS20N*	DIP-14	Dual 4-input NAND gate .....	.69	.59	.49
295478	TI	SN74LS20N	DIP-14	Dual 4-input NAND gate .....	.75	.65	.55
47108	+	74LS21N	DIP-14	Dual 4-input AND gate .....	.59	.49	.39
47378	+	74LS27N	DIP-14	Triple 3-input NOR gate .....	.79	.69	.59
47458	+	74LS30N*	DIP-14	8-input NAND gate .....	.49	.45	.39
47466	+	74LS32N**	DIP-14	Quad 2-input pos. OR gate .....	.45	.39	.35
47467	+	74LS32N	DIP-14	Quad 2-input pos. OR gate .....	.49	.45	.39
295515	TI	SN74LS32N	DIP-14	Quad 2-input pos. OR gate .....	.49	.45	.39
47773	+	74LS42N	DIP-14	4 line BCD to 10 line decimal decoder	1.09	.99	.89
47790	+	74LS47N*	DIP-16	BCD-to-7 seg. decoder/driver	1.29	1.19	.89
295582	TI	SN74LS47N	DIP-16	BCD-to-7 seg. decoder/driver	1.39	1.29	.95
47811	+	74LS48N	DIP-16	BCD-to-7 seg. decoder/driver	3.95	3.49	2.95
47992	+	74LS73N*	DIP-14	Dual J-K neg-edge-triggered flip-flop ..	1.45	1.25	1.15
48004	+	74LS74N**	DIP-14	Dual D-type flip-flop .....	.49	.39	.35
295726	TI	SN74LS74AN	DIP-14	Dual D-type flip-flop .....	.55	.45	.39
48021	+	74LS75N*	DIP-16	4-bit bi-stable latch	1.19	1.05	.89
295734	TI	SN74LS75N	DIP-16	4-bit bi-stable latch	1.29	1.09	.95
48039	+	74LS76N	DIP-16	Dual J-K pos-edge-triggered flip-flop ..	1.49	1.35	1.19
48063	+	74LS83N	DIP-16	4-bit binary full adder	2.19	1.99	1.79
48071	+	74LS85N*	DIP-16	4-bit magnitude comparator .....	.99	.89	.75
48098	+	74LS86N*	DIP-14	Quad 2-input exclusive OR gate ....	.49	.39	.29
295751	TI	SN74LS86N	DIP-14	Quad 2-input exclusive OR gate ....	.55	.45	.35
48119	+	74LS90N*	DIP-14	Asynchronous decade counter	1.75	1.49	1.35
295769	TI	SN74LS90N	DIP-14	Asynchronous decade counter	1.85	1.59	1.45
48143	+	74LS92N	DIP-14	Divide-by-12 decade counter	1.95	1.75	1.49
48151	+	74LS93N*	DIP-14	4-bit binary counter	1.59	1.39	1.25
295822	TI	SN74LS93N	DIP-14	4-bit binary counter	1.79	1.55	1.29
46412	+	74LS107N	DIP-14	Dual J-K flip-flop with clear	1.09	.99	.89
46421	+	74LS109N	DIP-16	Dual J-K bar flip-flop .....	.99	.89	.79
46447	+	74LS112N	DIP-16	Dual J-K neg-edge-triggered flip-flop ..	.65	.55	.45
46471	+	74LS122N	DIP-14	Retriggerable monostable multivib. ....	.89	.79	.69
46480	+	74LS123N*	DIP-16	Dual monostable multivibrator .....	.65	.55	.45
300880	TI	SN74LS123N	DIP-16	Dual monostable multivibrator .....	.69	.59	.49
46501	+	74LS125N*	DIP-14	Tri-state quad bus buffer .....	.65	.55	.45
46527	+	74LS126N	DIP-14	Tri-state quad bus buffer .....	.65	.55	.45
46551	+	74LS132N	DIP-14	Quad 2-input NAND schmitt trigger ..	.69	.59	.49
46607	+	74LS138N**	DIP-16	3-to-8 decoder/demultiplexer .....	.59	.49	.39
301233	TI	SN74LS138N	DIP-16	3-to-8 decoder/demultiplexer .....	.69	.59	.49
46623	+	74LS139N*	DIP-16	Dual 2-to-4 decoder/demultiplexer ..	.59	.49	.39
301268	TI	SN74LS139AN	DIP-16	Dual 2-to-4 decoder/demultiplexer ..	.65	.55	.45
46666	+	74LS145N	DIP-16	BCD-to-decimal decoder/driver .....	.69	.59	.49
301276	TI	SN74LS145N	DIP-16	BCD-to-decimal decoder/driver .....	.79	.69	.59
46682	+	74LS148N	DIP-16	8-to-3 line priority encoder	1.05	.95	.85

*10 pcs./ **20 pcs. in 74LS series IC cabinet kit, pg 5

* NXP = NXP/Philips Semiconductor | TI = Texas Instruments | + Major Brands

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.



74LS Series (Continued)

*Web Code: NBS

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
46703	+	74LS151N*	DIP-16	1-to-8 data selector/multiplexer	\$.75	\$.65	\$.55
46720	+	74LS153N	DIP-16	Dual 4-to-1 data selector/multiplexer	.75	.65	.55
46738	+	74LS154N	DIP-24	4-to-16 line decoder/demultiplexer	4.95	4.75	4.25
46754	+	74LS155N*	DIP-16	Dual 2-to-4 line decoder/demultiplexer	.99	.89	.79
46771	+	74LS157N*	DIP-16	Quad 2-to-1 line data selector	.59	.49	.39
46800	+	74LS160N	DIP-16	Synchronous decade counter	2.49	2.25	2.05
46818	+	74LS161N	DIP-16	4-bit synchronous binary counter	.55	.45	.39
301647	TI	SN74LS161AN	DIP-16	4-bit synchronous binary counter	.59	.49	.45
46842	+	74LS163N	DIP-16	Synchronous 4-bit binary counter	.65	.55	.45
46851	+	74LS164N	DIP-14	8-bit serial shift register	.59	.49	.39
46877	+	74LS165N	DIP-16	8-bit parallel load shift register	.65	.55	.45
46885	+	74LS166N	DIP-16	Serial-out shift register	.89	.79	.69
46906	+	74LS169N	DIP-16	Synch. 4-bit binary up/down counter	.99	.89	.79
46922	+	74LS173N	DIP-16	4-bit D-type register w/ 3-state output	1.09	.99	.89
46931	+	74LS174N*	DIP-16	Hex D-type flip-flop with clear	.69	.59	.49
46957	+	74LS175N*	DIP-16	Quad D-type flip-flop with clear	.69	.59	.49
46973	+	74LS181N	DIP-24	Arithmetic logic unit/function generator	3.95	3.49	3.25
46990	+	74LS190N	DIP-16	Synchronous up/down decade counter	2.95	2.75	2.49
47001	+	74LS191N	DIP-16	Synch. 4-bit up/down binary counter	.79	.69	.59
47010	+	74LS192N	DIP-16	Synch. 4-bit up/down decade counter	3.49	3.25	2.95
47036	+	74LS193N*	DIP-16	Synch. 4-bit up/down binary counter	.79	.69	.59
301831	TI	SN74LS193N	DIP-16	Synch. 4-bit up/down binary counter	.89	.79	.69
47052	+	74LS194N	DIP-16	4-bit bi-directional shift register	.99	.79	.69
301858	TI	SN74LS194N	DIP-16	4-bit bi-directional shift register	1.09	.89	.79
47061	+	74LS195N	DIP-16	4-bit parallel-access shift register	2.05	1.95	1.75
47124	+	74LS221N	DIP-16	Dual monostable multivibrator	.85	.75	.65
47141	+	74LS240N*	DIP-20	Octal buffer/line driver	.69	.55	.45
47167	+	74LS241N	DIP-20	Tri-state octal buffer/line driver	.75	.65	.55
47183	+	74LS244N*	DIP-20	Tri-state octal buffer/line driver	.65	.55	.45
308312	TI	SN74LS244N	DIP-20	Tri-state octal buffer/line driver	.69	.59	.49
47212	+	74LS245N*	DIP-20	Tri-state octal bus transceiver	.65	.55	.45
308321	TI	SN74LS245N	DIP-20	Tri-state octal bus transceiver	.69	.59	.49
47247	+	74LS247N	DIP-16	BCD to 7-seg. decoder/driver	1.19	1.09	.95
47327	+	74LS259N	DIP-16	8-bit addressable latch	.89	.79	.69
47360	+	74LS266N	DIP-14	Quad 2-input exclusive NOR gate (O.C.)	.79	.69	.59
86668	+	74LS273D	SOIC-20	Octal D-type flip-flop	.79	.69	.59
47386	+	74LS273N*	DIP-20	Octal D-type flip-flop	.69	.55	.45
308398	TI	SN74LS273N	DIP-20	Octal D-type flip-flop	.79	.65	.55
47407	+	74LS279N	DIP-16	Quad S-R latch	.89	.79	.69
47423	+	74LS283N	DIP-16	4-bit binary full add w/ fast carry	1.09	.99	.89
47562	+	74LS367N	DIP-16	Tri-state hex buffer	.89	.79	.69
309278	TI	SN74LS368AN	DIP-16	6-bit buffer/line driver	.95	.85	.75
47600	+	74LS373N*	DIP-20	Octal D-type transparent latch	.69	.55	.45
308460	TI	SN74LS373N	DIP-20	Octal D-type transparent latch	.79	.65	.55
47634	+	74LS374N*	DIP-20	Octal D-type flip-flop	.69	.55	.45
308478	TI	SN74LS374N	DIP-20	Octal D-type flip-flop	.79	.65	.55
47669	+	74LS377N	DIP-20	Octal D-type flip-flop	.99	.89	.79
47722	+	74LS390N	DIP-16	Dual 4-bit decade counter	1.19	1.09	.95
47731	+	74LS393N	DIP-14	Dual 4-bit binary counter	.85	.75	.65
47861	+	74LS540N	DIP-20	Tri-state octal buffer/line driver	1.29	1.19	1.09
47870	+	74LS541N	DIP-20	Tri-state octal buffer/line driver	.95	.85	.75
308523	TI	SN74LS541N	DIP-20	Tri-state octal buffer/line driver	.99	.89	.79
64418	+	74LS573N	DIP-20	Tri-state octal D-type flip flop	2.95	2.75	2.49
64426	+	74LS574N	DIP-20	Tri-state octal D-type flip flop	2.49	2.25	1.95
309260	+	74LS682N	DIP-20	8-bit magnitude/identity comp.	1.75	1.49	1.25
47984	+	74LS688N	DIP-20	8-bit identity comparator	1.55	1.39	1.25

*10 pcs. in 74LS series IC cabinet kit, above right

74LS Series IC Kit

*Web Code: CKS



Includes: 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 153 and 30 adhesive labels for drawers to identify parts in kit

10 each: 74LS05, 74LS10, 74LS11, 74LS14, 74LS20, 74LS30, 74LS47, 74LS73, 74LS75, 74LS85, 74LS86, 74LS90, 74LS93, 74LS123, 74LS125, 74LS139, 74LS151, 74LS155, 74LS157, 74LS174, 74LS175, 74LS193, 74LS240, 74LS244, 74LS245, 74LS273, 74LS373, 74LS374

20 each: 74LS00, 74LS02, 74LS04, 74LS08, 74LS32, 74LS74, 74LS138

SAVE \$122

Part No.	Description	Wt. (lbs.)	1	5
84961	420 pcs. 74LS IC kit	6.7	\$159.95	\$144.95
130391	Refill for 84961 (420 pcs.)	2.0	144.95	129.95

74S Series

Please Note: Manufacturer may vary

*Web Code: NCK

Part No.	Product No.	Pkg.	Description	1	10	100
677020	74S244N	DIP-20	Tri-state octal buffer/line driver	\$.39	\$.35	\$.29
48696	74S287N	DIP-16	(256 x 4) 1024-bit TTL PROM (TBP24S10)	7.95	6.95	5.95
48717	74S288N	DIP-16	(32 x 8) 256-bit TTL PROM (TBP18S030N)	10.95	9.95	8.95
48805	74S387N	DIP-16	(256 x 4) 1024-bit TTL PROM (TBP24SA10N)	3.95	3.75	3.49
52513	74S428N	DIP-28	System controller/bus driver (8228)	4.95	4.49	3.95
48864	74S472N	DIP-20	(512 x 8) 4096-bit TTL PROM (TBP28S42N)	12.95	11.95	10.95
48910	74S571N	DIP-16	(512 x 4) 2048-bit TTL PROM (AM27S13)	5.95	4.95	3.95

4000 Series

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
12562	+	CD4001**	DIP-14	Quad 2-input NOR gate	\$.39	\$.35	\$.29
675964	+	CD4002	DIP-14	Dual 4-input NOR gate	.35	.29	.25
12597	+	CD4007	DIP-14	Dual complimentary pair plus inv.	.39	.35	.29
12634	+	CD4011**	DIP-14	Quad 2-input NAND gate	.39	.35	.29
893283	TI	CD4011BE	DIP-14	Quad 2-input NAND gate	.45	.39	.35
12677	+	CD4013**	DIP-14	Dual D-type flip-flop	.35	.29	.25
893443	TI	CD4013BE	DIP-14	Dual D-type flip-flop	.39	.35	.29
12706	+	CD4015*	DIP-16	Dual 4-stage static shift register	.39	.35	.29
12722	+	CD4016*	DIP-14	Quad bilateral switch	.35	.29	.25
12749	+	CD4017*	DIP-16	Decade counter/divider	.45	.35	.29
893611	TI	CD4017BE	DIP-16	Decade counter/divider	.49	.39	.35
12773	+	CD4018	DIP-16	Presetable divide-by-N counter	.45	.39	.35
12802	+	CD4020*	DIP-16	14-st. ripple carry binary counter	.39	.35	.29
12829	+	CD4021	DIP-16	8-stage static shift register	.39	.35	.29
12845	+	CD4023*	DIP-14	Triple 3-input NAND gates	.35	.29	.25
12853	+	CD4024*	DIP-14	7-stage ripple carry binary counter	.39	.35	.29
353560	+	CD4026	DIP-16	Decade counter/divider	.45	.35	.29
12888	+	CD4027*	DIP-16	Dual J-K master/slave flip-flop	.39	.35	.29
12909	+	CD4028	DIP-16	BCD-to-decimal decoder	.39	.35	.29
12925	+	CD4029	DIP-16	Preset up/down binary counter	.45	.39	.35
12950	+	CD4040*	DIP-16	12-stage binary/ripple counter	.45	.35	.29
12992	+	CD4043	DIP-16	Tri-state quad NOR R/S latch	.45	.39	.35
13004	+	CD4044	DIP-16	Quad NAND R/S latch	.39	.35	.29
13012	+	CD4046*	DIP-16	Micropower phase lock loop	.49	.39	.35
13039	+	CD4047	DIP-14	Monostable/astable multivibrator	.39	.35	.29
13055	+	CD4049**	DIP-16	Hex inverting buffer/converter	.39	.35	.29
13071	+	CD4050*	DIP-16	Hex non-inverting buffer/converter	.39	.35	.29
13098	+	CD4051*	DIP-16	Single 8-ch analog multiplexer	.39	.35	.29
894391	TI	CD4051BE	DIP-16	Single 8-ch analog multiplexer	.45	.39	.35
13119	+	CD4052	DIP-16	Dual 4-ch analog multiplexer	.25	.22	.19
13127	+	CD4053	DIP-16	Triple 2-ch analog multiplexer	.39	.35	.29
13151	+	CD4060	DIP-16	14-st. ripple carry binary counter	.45	.35	.29
13186	+	CD4066**	DIP-14	Quad bilateral switch	.35	.29	.25
13232	+	CD4069	DIP-14	Hex inverters (74C04)	.39	.35	.29
13215	+	CD4067	DIP-24	Single 16-ch analog multiplexer	1.09	.99	.89
13231	+	CD4069*	DIP-14	Hex inverters (74C04)	.39	.35	.25
13258	+	CD4070*	DIP-14	Quad 2-input exclusive OR gate	.35	.29	.25
13274	+	CD4071*	DIP-14	Quad 2-input OR gate	.39	.35	.29

*10 pcs./**20 pcs. in 4000 series IC cabinet kit, pg 6

Continued on next page

* TI = Texas Instruments | + Major Brands

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed AboveOrder by Phone at 1-800-831-4242 or Online at www.Jameco.com

4000 Series (Continued)

*Web Code: WAA

Part No.	Mfr.	Product No.	Pkg.	Description	* Order in multiples of 10		
					1	10	100
676094	+	CD4075	DIP-14	Triple 3-input OR gate	.45	.35	.29
676107	+	CD4077	DIP-14	Quad exclusive NOR gate	.39	.35	.29
676115	+	CD4078	DIP-14	8-input NOR/OR gate	.45	.35	.29
13354	+	CD4081*	DIP-14	Quad 2-input AND gate	.39	.35	.29
676123	+	CD4082	DIP-14	Quad 4-input AND gate	.39	.35	.29
13400	+	CD4093*	DIP-14	Quad 2-input NAND schmitt trig.	.39	.35	.29
818902	TI	CD4093BQM96Q1	SOIC-14	Quad 2-input NAND schmitt trig.	.*	.12	.09
818873	TI	CD4093BE	DIP-14	CMOS 2-input NAND gate	.45	.39	.35
870807	NSC	CD4093BCN	DIP-14	Quad 2-input NAND schmitt trig.	.59	.49	.45
13426	+	CD4094	DIP-16	8-bit shift register with latch	.45	.39	.29
13442	+	CD4099	DIP-16	8-bit addressable latch	.45	.39	.35
13485	+	CD4510	DIP-16	BCD presettable up/down counter	.45	.39	.35
13493	+	CD4511*	DIP-16	BCD-to-7 segment latch/decoder/driver	.45	.35	.29
895377	TI	CD4511BE	DIP-16	BCD-to-7 segment latch/decoder/driver	.49	.39	.35
13522	+	CD4514	DIP-24	4-bit latch/line decoder	1.09	.95	.79
13549	+	CD4516	DIP-16	Binary up/down counter	.45	.39	.35
13565	+	CD4518	DIP-16	Dual BCD up counter	.45	.39	.35
13581	+	CD4520	DIP-16	Dual binary up counter	.39	.35	.29
13611	+	CD4528	DIP-16	Dual monostable multivibrator	.59	.49	.45
13653	+	CD4538*	DIP-16	Dual monostable multivibrator	.59	.49	.39
13696	+	CD4543*	DIP-16	BCD to 7-segment decoder driver	.45	.35	.29
13709	+	CD4553	DIP-16	3-digit BCD counter	1.95	1.59	1.39
13768	+	CD4584*	DIP-14	Hex schmitt trigger	.39	.35	.29
676473	+	CD40102	DIP-16	2-decade BCD 8-st. sync down counter	.*	.15	.12
785071	NSC	CD40106BCN	DIP-14	Hex schmitt trigger	.69	.59	.49
676502	+	CD40110	DIP-16	Decade up/down counter	1.45	1.19	1.05

*10 pcs. in 4000 series IC cabinet kit, below

4000 Series CMOS IC Kit

*Web Code: CKS

SAVE \$39

Includes: 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 153 and 30 adhesive labels for drawers to identify parts in kit

10 each: CD4015, CD4016, CD4017, CD4020, CD4023, CD4024, CD4027, CD4040, CD4046, CD4050, CD4051, CD4069, CD4070, CD4071, CD4081, CD4093, CD4511, CD4538, CD4543, CD4584

20 each: CD4001, CD4011, CD4013, CD4049, CD4066

Part No.	Description	Wt. (lbs.)	1	5
84970	300 pcs. 4000 series CMOS IC kit	6.1	\$89.95	\$79.95
130403	Refill for 84970 (300 pcs.)	1.4	74.95	67.95

5000 Series & Clock Chips

*Web Code: RAE

Part No.	Mfr.	Product No.	Pkg.	Description	1	10
32803	+	TCM5089N	DIP-16	Touch tone generator	\$4.95	\$4.49
26171	+	M5450B7	DIP-40	LED display driver	3.95	3.49
27422	+	LM555CN**	DIP-8	Timer	.25	.22
126797	+	LMC555CN*	DIP-8	CMOS timer	.69	.59
24328	+	LM556N*	DIP-14	Dual timer	.29	.25
95531	+	RTC72421B	DIP-18	Real time clock	7.95	6.95
25101	+	MC146818*	DIP-24	Real time clock with RAM	8.95	7.95
10567	AMD	AM9513APC*	DIP-40	Real time clock	34.95	31.95
2146433	CSS	CSS555-ID	DIP-8	Programmable timer	1.95	1.75
2146450	CSS	CSS555C-ID	DIP-8	Prog. timer w/ internal cap	2.35	2.09
2146425	CSS	CSS555-IS	SOIC-8	Programmable timer	1.69	1.55
2146441	CSS	CSS555C-IS	SOIC-8	Prog. timer w/ internal cap	2.09	1.89
2146468	CSS	CSS555-DMK	—	Demo kit	74.95	69.95

*10 pcs./**20 pcs. in Linear series IC cabinet kit, pg 13 * Pull = Extra Savings

*Delay Lines Available Online — Enter Web Code EEU

*EconoResets Available Online — Enter Web Code YFE

6500 Series

*Web Code: NAG

Part No.	Mfr.	Product No.	Pkg.	Description	1	10
43191	+	6502*	DIP-40	CPU, 8-bit, 1MHz	\$6.95	\$5.95
43166	+	65C02*	DIP-40	CPU, 8-bit, 1MHz (CMOS)	6.95	5.95
43254	+	6522*	DIP-40	Versatile interface adapter, 1MHz	6.95	5.95
43297	+	6532*	DIP-40	RAM I/O timer, 1MHz	8.95	7.95
43318	+	6551*	DIP-28	Asynch. comm. interface adapter, 1MHz	4.95	4.49
2143671	WDC	W65C816S6PLG-14	PLCC-44	MPU, 8/16-bit, 14MHz, 16MB	7.95	6.95
2143662	WDC	W65C816S6PG-14	PDIP-40	MPU, 8/16-bit, 14MHz, 16MB	7.95	6.95
2143654	WDC	W65C02S6TQG-14	QFP-44	MPU, 8-bit, 16MHz, 65kB	6.95	5.95
2143646	WDC	W65C02S6TPLG-14	PLCC-44	MPU, 8-bit, 16MHz, 65kB	6.95	5.95
2143638	WDC	W65C02S6TPG-14	PLCC-44	MPU, 8-bit, 16MHz, 65kB	6.95	5.95
2143620	WDC	W65C22N6TPLG-14	PLCC-44	Versatile interface adapter, 14MHz	6.95	5.95
2143611	WDC	W65C22N6TPG-14	PDIP-40	Versatile interface adapter, 14MHz	6.95	5.95
2143603	WDC	W65C22S6TPLG-14	PLCC-44	Versatile interface adapter, 14MHz	6.95	5.95
2143591	WDC	W65C22S6TPG-14	PDIP-40	Versatile interface adapter, 14MHz	6.95	5.95
2143582	WDC	W65C26S8PLG-8	PLCC-84	MCU, 8/16-bit, 64 I/O, 8MHz	13.49	10.95
2143574	WDC	W65C134S8PLG-8	PLCC-68	MCU, 8-bit, 56 I/O, 8MHz	11.95	9.95
2143566	WDC	W65C21N6TPLG-14	PLCC-44	Peripheral interface adapter, 14MHz	5.95	4.95
2143558	WDC	W65C21N6TPG-14	PDIP-40	Peripheral interface adapter, 14MHz	5.95	4.95
2143540	WDC	W65C21S6TPLG-14	PLCC-44	Peripheral interface adapter, 14MHz	5.95	4.95
2143531	WDC	W65C21S6TPG-14	PDIP-40	Peripheral interface adapter, 14MHz	5.95	4.95

* Pull = Extra Savings



6800/68000 CMOS

*Web Code: SBP

Part No.	Mfr. Part No.	Pkg.	Description	1	10
248604	MC68HC11E1CFN3	PLCC-52	MCU, 8-bit, 38 I/O, 3MHz	\$10.95	\$9.95
248583	MC68HC11F1CFN3	PLCC-68	MCU, 8-bit, 30 I/O, 3MHz	11.95	10.95
108919	MC68HC705C8P	DIP-40	MCU, 8-bit, 24 I/O, 4MHz	9.95	8.95
132530	MC68HC705J1ACP	DIP-20	MCU, 8-bit, 14 I/O, 4MHz	4.95	4.49
248575	MC68HC711E9CFN2	PLCC-52	MCU, 8-bit, 38 I/O, 2MHz	23.95	21.95
323213	MC68HC908GR8CP	DIP-28	MCU, 8-bit, 21 I/O, 8MHz	2.95	2.25

6800/68000 N-MOS

*Web Code: PAG

Part No.	Mfr.	Product No.	Pkg.	Description	1	10
43481	+	6800*	DIP-40	CPU, 8-bit, 5V, 2MHz	\$5.95	\$4.95
43502	+	6802*	DIP-40	CPU, 8-bit, 5V, 1MHz	9.95	8.95
43529	+	6803*	DIP-40	CPU, 8-bit, 5V, 1MHz	6.95	5.95
43537	+	6808*	DIP-40	CPU, 8-bit, 7V, 1MHz	6.95	5.95
43545	+	6809E*	DIP-40	CPU, 8-bit, 7V, 1MHz	4.49	3.95
320590	+	68B09E*	DIP-40	CPU, 8-bit, 7V, 2MHz	4.95	4.49
43561	+	6810*	DIP-24	SRAM, 1K-bit, 5V, 1MHz	3.95	3.49
43596	+	6821*	DIP-40	Peripheral inter. adptr, 8-bit, 7V, 1MHz	3.95	3.49
43414	+	68B21	DIP-40	Peripheral inter. adptr, 8-bit, 7V, 1MHz	4.95	4.49
43617	+	6840*	DIP-28	Programmable timer, 16-bit, 5V, 6MHz	2.95	2.75
43633	+	6850*	DIP-24	Asynch. comm. int. adptr, 8-bit, 7V, 1MHz	4.49	3.95
25304	+	MC68000L8*	DIP-64	CPU, 16-bit, 7V, 8MHz	8.95	7.95
25291	+	MC68000L10*	DIP-64	CPU, 16-bit, 7V, 10MHz	9.95	8.95
25363	MOT	MC68705P3S*	DIP-28	MCU, 8-bit, 20 I/O, 4MHz	24.95	22.95
25371	MOT	MC68705U3S*	DIP-40	MCU, 8-bit, 20 I/O, 4MHz	14.95	12.95

* Pull = Extra Savings

8000 Series

Please Note: Manufacturer may vary

*Web Code: CAH

Part No.	Product No.	Pkg.	Description	1	10	100
51844	8031*	DIP-40	MCU, 8-bit, 32 I/O, 8MHz	\$3.25	\$2.95	\$2.75
51676	80C31*	DIP-40	MCU, 8-bit, 32 I/O, 24MHz, CMOS	3.49	3.25	2.95
876096	P80C31BH-1	DIP-40	MCU, 8-bit, 32 I/O, 16MHz, CMOS	3.95	3.49	3.25
102197	8032*	DIP-40	CPU, 8-bit, 32 I/O, 12MHz	3.95	3.49	2.95
108804	80C32-1*	DIP-40	MCU, 8-bit, 32 I/O, 12MHz, CMOS	4.25	3.75	3.49
51959	8039*	DIP-40	CPU, 8-bit, 27 I/O, 6MHz	2.95	2.75	2.49
51692	80C39	DIP-40	MCU, 8-bit, 27 I/O, 11MHz, CMOS	2.95	2.75	2.49
51983	8049*	DIP-40	CPU, 8-bit, 27 I/O, 6MHz	1.95	1.49	1.25
51991	8051AP**	DIP-40	MCU, 8-bit, 27 I/O, 11MHz	2.95	2.75	2.25

* 8049 (ROM not available for use) Tie pin 7 high to bypass the internal ROM to convert 8049 to 8039

** Tie pin 31 low to bypass the internal ROM

* Pull = Extra Savings

* AMD = Advanced Micro | CSS = Costum Silicon Solutions | MOT = Motorola | NSC = National Semi | TI = Texas Instruments | WDC = Western Design Center | + Major Brands

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.



8000 Series (Cont.)

Please Note: Manufacturer may vary

★ Web Code: CAH

Part No.	Product No.	Pkg.	Description	1	10	100
125647	80C52BASIC	DIP-40	MCU, 8-bit, 32 I/O, 12MHz, CMOS	\$33.95	\$31.95	\$29.95
52046	8080A★	DIP-40	CPU, 8-bit, 16 I/O, 1MHz	5.49	4.95	4.25
52062	8085AH★	DIP-40	CPU, 8-bit, 16 I/O, 3MHz	4.95	4.49	3.25
52071	8085AH-2★	DIP-40	CPU, 8-bit, 16 I/O, 5MHz	5.49	4.95	4.49
52100	8086-2★	DIP-40	CPU, 8-bit, 32 I/O, 8MHz	2.95	2.75	2.49
52142	8088★	DIP-40	CPU, 8-bit, 16 I/O, 5MHz	2.95	2.75	2.49
34358	UPD70108-8★	DIP-40	CPU, 8-bit, 16 I/O, 8MHz	8.95	7.95	6.95
52290	8155★	DIP-40	I/O port timer, 2K-bit, 3MHz	3.95	3.49	2.95
52302	8155-2★	DIP-40	Static MOS RAM, 2K-bit, 3 I/O, 5MHz	4.95	4.49	3.75
52193	81C55★	DIP-40	I/O port timer, 2K-bit, 3MHz, CMOS	4.95	4.49	3.95
52468	8212★	DIP-24	I/O port timer, 8-bit, 3MHz	5.95	5.49	4.95
52484	8216	DIP-16	Bi-directional bus driver (non-invert.)	3.95	3.49	2.95
52492	8224★	DIP-16	Clock generator/driver	4.95	4.49	3.95
52513	8228	DIP-28	System controller/bus driver	4.95	4.49	3.95
52581	8243★	DIP-24	I/O expander, 5V, MIL. temp	5.49	4.95	3.25
52644	8251★	DIP-28	USART	2.75	2.49	2.25
52652	8251A★	DIP-28	Prog. communications interface	3.95	3.49	2.95
52687	8253-5★	DIP-24	Prog. interval timer, 5MHz	3.49	3.25	2.75
52708	8254★	DIP-24	Prog. interval timer, 8MHz	3.95	3.49	2.95
52716	8254-2★	DIP-24	Prog. interval timer, 10MHz	4.95	4.49	3.95
52409	82C54-2★	DIP-24	Prog. interval timer, 10MHz, CMOS	4.95	4.49	3.95
52724	8255★	DIP-40	CPU peripheral, 2MHz	4.49	3.95	3.49
52732	8255A-5★	DIP-40	CPU peripheral, 5MHz	4.75	4.25	3.75
291805	8255AC-5	DIP-40	CPU peripheral, 4MHz	4.75	4.25	3.75
52417	82C55A★	DIP-40	CPU peripheral, 8MHz, CMOS	4.95	4.49	3.95
52425	82C55A-5	DIP-40	CPU peripheral, 5MHz, CMOS	4.95	4.49	3.95
52759	8256★	DIP-40	Multi func. uproc. support controller	17.95	15.95	13.95
52775	8259★	DIP-28	Prog. interrupt controller	1.95	1.75	1.49
52839	8279★	DIP-40	CPU peripheral, 5MHz	10.95	9.95	7.95
52847	8279-5★	DIP-40	CPU peripheral, 5MHz	12.95	11.95	10.95
52871	8284A★	DIP-18	Clock generator/driver, 8MHz	4.95	4.49	3.95
52901	8287★	DIP-20	Octal bus transceiver	9.95	8.95	7.95
53031	8748H★	DIP-40	CPU, 8-bit, 27 I/O, 11MHz	12.95	11.95	9.95
53057	8749H★	DIP-40	CPU, 8-bit, 27 I/O, 11MHz	15.95	14.95	12.95
53081	8751H★	DIP-40	MCU, 8-bit, 32 I/O, 12MHz	14.95	12.95	10.95
52978	87C51★	DIP-40	MCU, 8-bit, 32 I/O, 33MHz, CMOS	15.95	13.95	11.95
53090	8755	DIP-40	EPROM with I/O	3.95	3.49	2.95

★ Pull = Extra Savings

✦ Refurbished = Backed by Jameco

Z80 MPUs

Please Note: Manufacturer may vary

★ Web Code: JAF

Part No.	Product No.	Pkg.	Description	1	10
35561	Z80★	DIP-40	2.5MHz CPU (MK3880N/780C)	\$2.49	\$2.25
35596	Z80A★	DIP-40	4MHz CPU (MK3880N-4/780C-1)	2.95	2.75
35609	Z80A-CTC★	DIP-28	4MHz counter timer circuit (MK3882-4)	2.49	2.25
35625	Z80A-DART★	DIP-40	4MHz dual asynchronous receiver/trans	2.95	2.75
35641	Z80A-PIO★	DIP-40	4MHz parallel I/O interf. contr. (MK3881-4)	2.05	1.85
35668	Z80A-SIO/O★	DIP-40	4MHz serial I/O, TxCB & RxCB bond. (MK3884-4)	2.49	2.25
35705	Z80B★	DIP-40	6MHz CPU (MK3880N-6)	3.25	2.95
35781	Z84C00-4★	DIP-40	4MHz CPU (Z84C0004PEC) CMOS	3.95	3.49
61786	Z85C3008PS★	DIP-40	Serial communications controller	2.49	2.25
281308	Z85C3016PSC	DIP-40	Serial communications controller	5.95	4.95

★ Pull = Extra Savings

UARTs

Please Note: Manufacturer may vary

★ Web Code: MAG

Part No.	Product No.	Pkg.	Description	1	10
43158	6402★	DIP-40	5V CMOS	\$6.95	\$5.95
27570	NS16C450N★	DIP-40	Asynch. comm. element, 5V	2.95	2.75
288809	TL16C550CN	DIP-40	1-channel w/ 16-byte FIFO, 5V	3.95	3.49
288905	TL16C754BFLN	PLCC-68	4-channel w/ 64-byte FIFO, 5V	7.95	6.95

★ Pull = Extra Savings

EPROMs

★ Web Code: XAF

Part No.	✦ Mfr.	Product No.	Pkg.†	Config.	Description	1	10	100
33611	✦	TMS2716✦	DIP-24	2k x 8	450ns, 5V	\$1.95	\$1.75	\$1.49
40002	✦	2716✦	DIP-24	2k x 8	450ns, 5V	3.95	3.75	3.49
308662	✦	2716A-2	DIP-24	2k x 8	200ns, 5V	3.95	3.75	3.49
40096	✦	2732✦	DIP-24	4k x 8	450ns, 5V	5.95	5.49	3.95
40133	✦	2732A-45✦	DIP-24	4k x 8	450ns, 5V	3.95	3.75	3.49
40125	✦	2732A-25✦	DIP-24	4k x 8	250ns, 5V	4.95	4.49	3.95
114876	✦	2732B✦	DIP-24	4k x 8	450ns, 5V	3.95	3.75	3.49
40109	✦	2732A-20✦	DIP-24	4k x 8	200ns, 5V	5.49	4.95	4.49
266001	✦	27C32-150✦	DIP-24	4k x 8	150ns, 5V	5.95	5.49	4.95
40205	✦	2764-25✦	DIP-28	8k x 8	250ns, 5V	3.95	3.75	3.49
40192	✦	2764-20✦	DIP-28	8k x 8	200ns, 5V	4.25	3.95	3.75
40248	✦	2764A-25✦	DIP-28	8k x 8	250ns, 5V	2.95	2.75	2.49
40230	✦	2764A-20✦	DIP-28	8k x 8	200ns, 5V	4.25	3.95	3.75
698322	ST	M27C64A-15F1	FDIP-28	8k x 8	150ns, 5V (±10%)	5.95	5.49	5.25
39845	✦	27C64-25✦	DIP-28	8k x 8	250ns, 5V	3.49	3.25	2.95
74608	✦	27C64-20✦	DIP-28	8k x 8	200ns, 5V	3.75	3.49	3.25
39829	✦	27C64-15✦	DIP-28	8k x 8	150ns, 5V	4.25	3.95	3.75
105304	✦	27C64-12✦	DIP-28	8k x 8	120ns, 5V	4.49	4.25	3.85
266036	✦	27C64-100	DIP-28	8k x 8	100ns, 5V	4.95	4.55	4.05
39984	✦	27128A-25✦	DIP-28	16k x 8	250ns, 5V	3.95	3.75	3.49
39950	✦	27128A-15✦	DIP-28	16k x 8	150ns, 5V	4.25	3.95	3.55
39685	✦	27C128-25✦	DIP-28	16k x 8	250ns, 5V	3.75	3.49	3.25
101101	✦	27C128-20✦	DIP-28	16k x 8	200ns, 5V	3.95	3.75	3.49
87935	✦	27C128-12✦	DIP-28	16k x 8	120ns, 5V	4.49	4.25	3.95
266061	✦	27C128-10	DIP-28	16k x 8	100ns, 5V	4.49	4.25	3.95
149665	✦	27C128-70	DIP-28	16k x 8	70ns, 5V	4.95	4.75	4.49
40045	✦	27256-20✦	DIP-28	32k x 8	200ns, 5V	2.55	2.25	1.95
40037	✦	27256-15✦	DIP-28	32k x 8	150ns, 5V	3.49	3.25	2.95
39731	✦	27C256-25✦	DIP-28	32k x 8	250ns, 5V	2.35	2.15	1.85
39722	✦	27C256-20✦	DIP-28	32k x 8	200ns, 5V	2.55	2.25	1.95
39714	✦	27C256-15✦	DIP-28	32k x 8	150ns, 5V	2.75	2.49	2.25
698111	ST	M27C256B-15F1	FDIP-28	32k x 8	150ns, 5V	3.95	3.49	3.25
65904	✦	27C256-12✦	DIP-28	32k x 8	120ns, 5V	3.65	3.49	3.25
698091	ST	M27C256B-12F1	FDIP-28	32k x 8	120ns, 5V	4.25	3.75	3.49
112740	✦	27C256-10✦	DIP-28	32k x 8	100ns, 5V	3.75	3.25	2.95
698082	ST	M27C256B-10F1	FDIP-28	32k x 8	100ns, 5V	4.49	3.95	3.59
140476	✦	27C256-70✦	DIP-28	32k x 8	70ns, 5V	4.75	4.49	3.95
266079	✦	27C256-55	DIP-28	32k x 8	55ns, 5V	4.75	4.49	3.95
39802	✦	27C512-25✦	DIP-28	64k x 8	250ns, 5V	2.25	1.95	1.75
39790	✦	27C512-20✦	DIP-28	64k x 8	200ns, 5V	2.49	2.25	1.95
39781	✦	27C512-15✦	DIP-28	64k x 8	150ns, 5V	2.75	2.49	2.25
39773	✦	27C512-12✦	DIP-28	64k x 8	120ns, 5V	2.95	2.75	2.49
698226	ST	M27C512-12F1	FDIP-28	64k x 8	120ns, 5V	4.19	3.95	3.75
131959	✦	27C512-10✦	DIP-28	64k x 8	100ns, 5V	3.25	2.95	2.75
203625	✦	27C512-70	DIP-28	64k x 8	70ns, 5V	3.95	3.75	3.49
203641	✦	27C1024-12	DIP-40	64k x 16	120ns, 5V	4.95	4.75	4.49
118148	✦	27C1024-15	DIP-40	64k x 16	150ns, 5V	3.95	3.25	2.75
39651	✦	27C010-15✦	DIP-32	128k x 8	150ns, 5V	3.49	3.25	2.95
697987	ST	M27C1001-15F1	FDIP-32	128k x 8	150ns, 5V	4.95	4.75	4.49
74624	✦	27C010-12✦	DIP-32	128k x 8	120ns, 5V	3.49	3.25	2.95
697961	ST	M27C1001-12F1	FDIP-32	128k x 8	120ns, 5V	6.95	6.25	5.59
79231	✦	27C010-10✦	DIP-32	128k x 8	100ns, 5V	3.49	3.25	2.95
697944	ST	M27C1001-10F1	FDIP-32	128k x 8	100ns, 5V	4.75	4.49	4.25
146149	✦	27C010-70✦	DIP-32	128k x 8	70ns, 5V	4.25	3.95	3.75
698007	ST	M27C1001-70F1	FDIP-32	128k x 8	70ns, 5V	4.75	4.49	4.25
65699	✦	27C020-15✦	DIP-32	256k x 8	150ns, 5V	3.75	3.49	3.25
78852	✦	27C020-12✦	DIP-32	256k x 8	120ns, 5V	4.49	3.95	3.59
698031	ST	M27C2001-12F1	FDIP-32	256k x 8	120ns, 5V	5.95	5.49	4.95
156267	✦	27C020-10	DIP-32	256k x 8	100ns, 5V	4.25	3.95	3.75
127933	✦	27C4096-12	DIP-40	256k x 16	120ns, 5V	5.95	5.49	4.95

✦ Refurbished = Backed by Jameco

† FDIP = Ceramic frit seal

Continued on next page

★ ST = ST Micro | ✦ Major Brands

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EPROMs (Continued)

★ Web Code: XAF

Part No.	Mfr.	Product No.	Pkg.	Config.	Description	1	10	100
85462	◆	27C040-15◆	DIP-32	512k x 8	150ns, 5V	\$4.49	\$4.25	\$3.95
102293	◆	27C040-12◆	DIP-32	512k x 8	120ns, 5V	4.95	4.75	4.49
111780	◆	27C040-10◆	DIP-32	512k x 8	100ns, 5V	4.95	4.75	4.49
203676	◆	27C040-80	DIP-32	512k x 8	80ns, 5V	5.25	4.95	4.75
266124	◆	27C040-70	DIP-32	512k x 8	70ns, 5V	5.49	5.25	4.95
156275	◆	27C080-10	DIP-32	1M x 8	100ns, 5V	8.95	7.95	7.25
203684	◆	27C080-90	DIP-32	1M x 8	90ns, 5V	9.95	8.95	8.25
265842	◆	27C800-12	DIP-42	1M x 8	120ns, 5V	3.95	3.49	2.95

◆ Refurbished = Backed by Jameco

OTP/PROMs

★ Web Code: WAG

Part No.	Mfr.	Product No.	Pkg.	Config.	Description	1	10	100
48717	◆	74S288	DIP-16	32 x 8	256-bit, 5V, 25ns, PROM	\$10.95	\$9.95	\$8.95
27844	◆	N82S23	DIP-16	32 x 8	256-bit, 7V, 50ns, PROM	5.95	4.95	3.95
27764	◆	N82S123	DIP-16	32 x 8	256-bit, 7V, 50ns, PROM	9.95	8.95	6.95
48696	◆	74S287	DIP-16	256 x 4	1-kbit, 5V, 30ns, PROM	7.95	6.95	5.95
48805	◆	74S387	DIP-16	256 x 4	1-kbit, 5V, 30ns, PROM	3.95	3.75	3.49
27772	◆	N82S126	DIP-16	256 x 4	1-kbit, 5V, 50ns, PROM	4.95	3.95	2.95
27781	◆	N82S129	DIP-16	256 x 4	1-kbit, 7V, 50ns, PROM	10.95	9.95	8.95
27799	◆	N82S131	DIP-16	512 x 4	2-kbit, 7V, 50ns, PROM	9.95	8.95	7.95
27810	◆	N82S181	DIP-24	1k x 8	8-kbit, 7V, 70ns, PROM	7.95	6.95	5.95
27828	◆	N82S185	DIP-18	2k x 4	8-kbit, 7V, 100ns, PROM	1.95	1.75	1.49
27836	◆	N82S191	DIP-24	2k x 8	16-kbit, 7V, 35ns, PROM	4.95	3.95	2.95
394986	ATM	AT27C256R-45PU	DIP-28	32k x 8	256-kbit, 45ns OTP, LP, I-temp.	1.95	1.75	1.49
395081	ATM	AT27C512R-70PU	DIP-28	64k x 8	512-kbit, 5V, 70ns, I-temp., OTP	2.25	1.95	1.75
203692	◆	27C512-12	DIP-28	64k x 8	512-kbit, 5V, 100ns, OTP	1.95	1.75	1.49
394708	ATM	AT27C010-70PU	DIP-32	128k x 8	1-Mbit, 5V, 70ns, I-temp., OTP	2.95	2.75	2.49
2153561	ATM	AT27C080-10PU	DIP-32	1M x 8	8-Mbit, 5V, 100ns, OTP	4.95	4.49	3.95
267215	◆	27C080-15	PLCC-32	1M x 8	8-Mbit, 5V, 150ns, OTP	1.95	1.75	1.49

EEPROMs

Please Note: Manufacturer may vary

★ Web Code: GAM

Part No.	Product No.	Pkg.	Config.	Description	1	10	100
* Order in multiples of 10							
102058	93C46	DIP-8	64 x 16	3-wire serial, 2-5V	\$2.25	\$2.22	\$1.19
108855	93C56	DIP-8	128 x 16	3-wire serial, 2-5V	*	.12	.09
200598	93C66	DIP-8	256 x 16	3-wire serial, 2-5V .....	.35	.29	.25
108847	24C04P	DIP-8	512 x 8	2-wire serial, 2-5V .....	.45	.39	.35
200555	24C16-10	DIP-8	2k x 8	2-wire serial, 5V .....	.45	.39	.35
74691	28C16A-25	DIP-24	2k x 8	Page parallel, 5V	3.95	3.75	3.49
276701	28C17	DIP-28	2k x 8	Page parallel, 5V	4.95	4.49	3.95
40416	2817A-25	DIP-28	2k x 8	Page parallel, 5V	2.95	2.49	1.95
276752	28C64	SOIC-28	8k x 8	Page parallel, 5V	1.19	1.05	.89
74827	28C64A-25	DIP-28	8k x 8	Page parallel, 5V	3.75	3.49	3.25
276816	28C256-15SC	SOIC-28	32k x 8	Page parallel, 5V	3.95	2.95	1.95
200580	24C256-10	DIP-8	32k x 8	2-wire serial, 2-5V	2.25	1.95	1.75
74878	28C256-25	DIP-28	32k x 8	Page parallel, 5V	5.49	5.25	4.49
74843	28C256-15	DIP-28	32k x 8	Page parallel, 5V	5.49	5.25	4.49
276832	24C512	DIP-8	64k x 8	2-wire serial, 2.5V	1.95	1.75	1.49
276912	24C1024	DIP-8	128k x 8	2-wire serial, 2.7-5V	5.95	5.49	5.25

Memory Modules

Please Note: Manufacturer may vary

★ Web Code: GAG

Part No.	Product No.	Capacity	Description	Config.	Pins	1	10
130729	JEED07208	8MB	60ns SIMM EDO	2M x 32	72	\$9.99	\$7.99
75133	P361000-XX-6	4MB	60ns SIMM	1M x 36	72	4.95	3.95

Flash Memory

Please Note: Manufacturer may vary

★ Web Code: KAJ

Part No.	Product No.	Pkg.	Config.	Description	1	10	100
74771	28F010-15	DIP-32	128k x 8	150ns, 5V	\$2.49	\$2.09	\$1.75
242587	29F010-120	DIP-32	128k x 8	120ns, 5V	3.95	3.75	3.49
242595	29F010-90	DIP-32	128k x 8	90ns, 5V	4.25	3.95	3.75
242608	29F010-70	DIP-32	128k x 8	70ns, 5V	4.49	4.25	3.95
74835	28F020-15	DIP-32	256k x 8	150ns, 5V	4.25	3.95	3.75
242659	29F040-120	DIP-32	512k x 8	120ns, 5V	4.75	4.25	3.95
242667	29F040-90	DIP-32	512k x 8	90ns, 5V	4.95	4.49	4.25

★ Zilog Flash MCUs Available Online — Enter Web Code JAF

Static RAM

★ Web Code: WAF

Part No.	Mfr.	Product No.	Pkg.	Config.	Description	1	10
38931	◆	2111-1	DIP-18	256 x 4	1-Kbit, 5V, 500ns	\$2.25	\$1.95
42198	◆	5101★	DIP-22	256 x 4	1-Kbit, 5V, 450ns	7.95	6.95
38957	◆	2114N	DIP-18	1k x 4	4-Kbit, 5V, 450ns	2.25	1.95
43238	◆	6514	DIP-18	1k x 4	4-Kbit, 5V, 300ns	2.95	2.75
38973	◆	2114N-2	DIP-18	1k x 4	4-Kbit, 5V, 200ns	2.49	2.25
38981	◆	2114N-2L	DIP-18	1k x 4	4-Kbit, 5V, 450ns, LP	2.69	2.39
38738	◆	2016-12	DIP-24	2k x 8	16-Kbit, 5V, 120ns	1.25	1.15
38746	◆	2016-20★	DIP-24	2k x 8	16-Kbit, 5V, 200ns	1.15	1.05
114260	DAL	DS1220Y-150	DIP-24	2k x 8	16-Kbit, 5V, 150ns, NV	12.95	10.95
25911	◆	MK48Z02B-15	DIP-24	2k x 8	16-Kbit, 5V, 150ns	7.95	6.95
42809	◆	6116P-3N★	DIP-24	2k x 8	16-Kbit, 5V, 150ns	1.75	1.55
42796	◆	6116P-2★	DIP-24	2k x 8	16-Kbit, 5V, 120ns	1.79	1.59
42788	◆	6116P-1★	DIP-24	2k x 8	16-Kbit, 5V, 100ns	1.85	1.65
42753	◆	6116LP-3★	DIP-24	2k x 8	16-Kbit, 5V, 150ns, LP	1.85	1.65
42737	◆	6116LP-1★	DIP-24	2k x 8	16-Kbit, 5V, 100ns, LP	1.95	1.75
242683	CPS	CY7C128A-45	DIP-24	2k x 8	16-Kbit, 5V, 45ns, Asynch.	2.95	2.75
242675	◆	6116-70	DIP-24	2k x 8	16-Kbit, 5V, 70ns	2.25	1.95
392446	◆	CY7C4235V-15ASC	STQFP-64	2k x 18	36-Kbit, 3.3V, 15ns, Synchron. FIFO	10.95	8.95
242333	◆	CY7C185-35	DIP-28	8k x 8	64-Kbit, 5V, 35ns, Asynch.	1.95	1.75
85121	◆	6264LP-70	DIP-28	8k x 8	64-Kbit, 5V, 70ns, LP	3.75	3.49
42884	◆	6264LP-10★	DIP-28	8k x 8	64-Kbit, 5V, 100ns, LP	2.95	2.75
42892	◆	6264LP-12★	DIP-28	8k x 8	64-Kbit, 5V, 120ns, LP	2.75	2.49
42921	◆	6264P-10★	DIP-28	8k x 8	64-Kbit, 5V, 100ns	2.75	2.49
42930	◆	6264P-12★	DIP-28	8k x 8	64-Kbit, 5V, 120ns	2.49	2.25
114278	DAL	DS1225AB-15	DIP-28	8k x 8	64-Kbit, 5V, 150ns, NV	14.95	12.95
114307	DAL	DS1225Y-200	DIP-28	8k x 8	64-Kbit, 5V, 200ns, NV	11.95	10.95
242376	◆	CY7C199P-35	DIP-28	32k x 8	256-Kbit, 5V, 35ns, LP Asynch.	1.95	1.75
177113	DAL	DS1230Y-100	DIP-28	32k x 8	256-Kbit, 5V, 100ns, NV	13.95	12.95
114323	DAL	DS1230Y-150	DIP-28	32k x 8	256-Kbit, 5V, 150ns, NV	12.95	11.95
41970	◆	43256-10L★	DIP-28	32k x 8	256-Kbit, 5V, 100ns, LP	3.95	3.75
41988	◆	43256-12L★	DIP-28	32k x 8	256-Kbit, 5V, 120ns, LP	3.75	3.49
75037	◆	UM61M256K-15	DIP-28	32k x 8	256-Kbit, 5V, 15ns	3.95	3.49
82472	◆	62256LP-70	DIP-28	32k x 8	256-Kbit, 5V, 70ns, LP	2.75	2.49
391793	CPS	CY62256L-70PC	DIP-28	32k x 8	256-Kbit, 5V, 70ns	3.49	3.25
391822	CPS	CY62256L-70PC	DIP-28	32k x 8	256-Kbit, 5V, 70ns, LP	3.59	3.39
42876	◆	62256LP-85	DIP-28	32k x 8	256-Kbit, 5V, 85ns, LP	2.65	2.45
42833	◆	62256LP-10★	DIP-28	32k x 8	256-Kbit, 5V, 100ns, LP	2.49	2.25
42850	◆	62256LP-12★	DIP-28	32k x 8	256-Kbit, 5V, 120ns, LP	2.25	2.05
279831	CPS	CY7C199-25VC	SOJ-28	32k x 8	256-Kbit, 5V, 25ns	1.09	.99
279857	◆	62256S-15	SOJ-28	32k x 8	256-Kbit, 5V, 150ns .....	.99	.79
1927457	ALM	AS6C1008-55PCN	PDIP-32	128k x 8	1M LP, 55ns, 2.7-5.5V, C-temp.	3.95	3.75
391831	CPS	CY62128BLL-70SC	SOIC-32	128k x 8	1-Mbit, 5V, 70ns, LP	1.49	1.25
131810	◆	628128LP-70	DIP-32	128k x 8	1-Mbit, 5V, 70ns, LP	6.95	5.95
103982	◆	628128LP-85★	DIP-32	128k x 8	1-Mbit, 5V, 85ns, LP	4.95	4.49
1927617	ALM	AS6C4008-55PCN	PDIP-32	512k x 8	4M LP, 55ns, 2.7-5.5V, C-temp.	5.95	5.49
242448	◆	BS62LV4006PIP-55	PDIP-32	512k x 8	4M LP, 55ns, 2.4-5.5V, I-temp.	18.95	16.95
157358	◆	628512LP-70	DIP-32	512k x 8	4-Mbit, 5V, 70ns, LP	17.95	15.95
280049	◆	628512S-70	SOP-32	512k x 8	4-Mbit, 5V, 20ns, Asynch.	2.95	2.49

★ Pull = Extra Savings

DRAM

Please Note: Manufacturer may vary

★ Web Code: DRM

Part No.	Product No.	Pkg.	Config.	Description	1	10	100
41339	4116-15	DIP-16	16k x 1	150ns (MM5290J-1R)	\$9.99	\$8.99	\$7.99
41662	4164-150★	DIP-16	64k x 1	150ns (MCM6665-15) .....	.99	.89	.79
41574	41464-10★	DIP-18	64k x 4	100ns (HY53C464S-10)	1.69	1.59	1.45
41398	41256-120★	DIP-16	256k x 1	120ns (MB81256-12) .....	.79	.69	.59
128688	HM514260AJ7★	SOJ-40	256k x 16	70ns	1.95	1.49	1.25
42219	51100P0-10	DIP-18	1M x 1	100ns (M5M4C1000-10)	1.95	1.49	1.25

★ Pull = Extra Savings

Legacy Intel® Desktop Processors

★ Web Code: ITL

Part No.	Description	Speed (MHz)	Package	1	10
130841	Intel Pentium® processor	166	296/PGA	\$4.95	\$3.95

★ SDRAMs Available Online — Enter Web Code RAY

* ALM = Alliance Memory | ATM = Atmel Semiconductor | CPS = Cypress Semiconductor | DAL = Dallas Semiconductor | ◆ Major Brands

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Dallas Semiconductors

★ Web Code: QDH

Part No.	Mfr. Part No.	Pkg.	Description	1	10	100
114198	DS1210	DIP-8	NV controller chip	\$3.95	\$3.25	\$2.49
114219	DS1213C	DIP-28	Smart socket	21.95	19.95	18.95
133410	DS1216C	DIP-28	Smart watch/RAM	25.95	22.95	17.95
114331	DS1232LP	DIP-8	Micromonitor chip	1.95	1.65	1.29
697231	DS1243Y-120+R	DIP-28	64k NV SRAM w/ phantom clock	17.95	15.95	14.25
133444	DS1286	DIP-28	Watchdog timekeeper	19.95	17.95	15.95
76646	DS1287	DIP-24	Real time clock chip	7.95	7.25	6.49
176778	DS1302	DIP-8	Trickle charge time keeping	3.25	2.39	1.69
780481	DS1302+R	DIP-8	Trickle charge time keeping chip, C-temp	3.49	2.49	1.79
1194679	DS1307R	DIP-8	5V, 64 x 8 serial I2C real time clock, C-temp	3.49	2.75	1.75
1194695	DS1307N+R	DIP-8	5V, 64 x 8 serial I2C real time clock, I-temp	2.95	2.25	2.05
114382	DS1620	DIP-8	Digital thermometer and thermostat	5.95	4.95	3.49
865936	DS18B20+R	TO-92	Prog. resolution 1-wire digital thermometer	3.95	2.49	2.19
133452	DS12887	DIP-24	Real time clock chip	6.95	5.95	4.95

MPU Supervisory

★ Web Code: PAN

Part No.	Product No.	Pkg.	Description	1	10	100
1802620	ADM705ANZ+R	DIP-8	Low cost microprocessor	\$.75	\$.65	\$.45

★ CPLDs and FPGAs Available Online — Enter Web Code SAZ

IC Accessories

* Order in multiples of 10

Part No.	Product No.	Description	1	10
13864	CF2	Conductive foam (12" x 24" x .25") hard black	\$11.95	\$10.95
29516	RIC20	.300" anti-static rail for 8, 14, 16, 18, 20 & 22-pin ICs	.25	.22
29524	RIC220	.600" anti-static rail for 24, 28, 36 & 40-pin ICs	.29	.25
29583	RRS	Storage tube rubber stopper	*	.07

Additional Anti-Static Products, IC Accessories and Tools see page 144

PALs, GALs & PEELs

★ Web Code: YAD

Part No.	Mfr.	Product No.	Pkg.	Description	1	10
28020	+	PAL16L8	DIP-20	Octal 16-input AND-OR-INVERT gate array	\$1.95	\$1.75
111667	+	PAL16R6ANC	DIP-20	TTL, 32 x 64 AND array	.29	.22
88399	+	GAL16V8-10*	DIP-20	10ns 64 x 32 AND array	2.75	2.49
37452	+	GAL16V8-15*	DIP-20	15ns 64 x 32 AND array	2.49	2.25
37461	+	GAL16V8-25*	DIP-20	25ns 64 x 32 AND array	2.49	2.25
876539	LAT	GAL16V8D-25LP	DIP-20	25ns 64 x 32 AND array	2.49	2.25
38658	+	GAL20V8-15**	DIP-24	15ns 64 x 40 AND array	1.59	1.45
105996	ANA	22CV10AP-25	DIP-24	25ns 132 x 44 AND array, PEEL	2.95	2.75
39159	+	GAL22V10-15	DIP-24	15ns 132 x 44 AND array	3.75	3.49
39167	+	GAL22V10-25	DIP-24	25ns 132 x 44 AND array	2.95	2.75

GALs are electrically erasable, CMOS PLDs that can be reprogrammed and can be used in place of numerous PALs

* Replaces PALs: 10H8, 10L8, 10P8, 12H6, 12L6, 12P6, 14H4, 14L4, 14P4, 16H2, 16H8, 16L2, 16L8, 16P2, 16P8, 16R4, 16R6, 16R8, 16RP4, 16RP6, 16RP8, 14H8, 14L8, 14P8, 16H6, 16L6, 16P6

** Replaces PALs: 18H4, 18L4, 18P4, 20H2, 20H8, 20L2, 20L8, 20P2, 20P8, 20R4, 20R6, 20R8, 20RP4, 20RP6, 20RP8

Voice Chip

Single-Chip Voice Record/Playback Device

- Manual switch or microprocessor controllable
- Directly cascadable for longer durations
- Single voltage operation: +5V (4.5V to 5.5V operating range)
- Playback can be edge or level-activated • 28-pin DIP
- Typical 100k record cycles, 1µA standby current and 100 year message retention



Part No.	Mfr. Part No.	Description	1	10	50
141671	ISD1110P	Voice record/playback (10 sec.)	\$6.95	\$6.25	\$5.49

Microcontrollers

★ Web Code: PAV

Part No.	Mfr.	Mfr. Part No.	Pkg.	Description	1	10
145040	MCH	PIC12C508A-04/P+R	DIP-8	512 OTP, 4MHz, 5 I/O, C-temp	\$1.05	\$.95
144258	MCH	PIC12C509A-04/P+R	DIP-8	1k OTP, 4MHz, 5 I/O, C-temp	1.05	.95
145058	MCH	PIC12C509AJW	DIP-8	1k EPROM, 41-bit, 4MHz, 5 I/O	5.95	4.95
248145	MCH	PIC12CE674-10/P	DIP-8	2k OTP, 128-bit, 10MHz, 5 I/O	1.95	1.75
223790	MCH	PIC12F629-I/P+R	DIP-8	1k flash, 20MHz, 6 I/O, I-temp	.95	.89
223781	MCH	PIC12F675-I/P+R	DIP-8	1k flash, 20MHz, 6 I/O, I-temp	.99	.95
312514	MCH	PIC12F683-I/P+R	DIP-8	2k flash, 20MHz, 6 I/O, I-temp	1.39	1.29
247214	MCH	PIC16C54C-20I/P	DIP-18	512 OTP, 25-bit, 20MHz, 12 I/O	1.25	.95
193341	MCH	PIC16C57C-04/P+R	DIP-28	2k OTP, 4MHz, 20 I/O, C-temp	1.95	1.75
247484	MCH	PIC16C67-20/P	DIP-40	8k OTP, 368-bit, 20MHz, 33 I/O	3.95	2.95
193359	MCH	PIC16C711-04/P+R	DIP-18	1k OTP, 4MHz, 13 I/O, C-temp	1.95	1.75
145111	MCH	PIC16F84A-04/P+R	DIP-18	1k flash, 4MHz, 13 I/O, C-temp	3.55	3.45
193332	MCH	PIC16F84A-20/P+R	DIP-18	1k flash, 20MHz, 13 I/O, C-temp	3.95	3.75
246861	MCH	PIC16F84A-20I/P+R	DIP-18	1k flash, 20MHz, 13 I/O, I-temp	4.49	4.19
247097	MCH	PIC16F87-I/P+R	DIP-18	4k flash, 20MHz, 16 I/O, I-temp	2.95	2.49
312733	MCH	PIC16F88-I/P+R	DIP-18	4k flash, 20MHz, 16 I/O, I-temp	3.25	2.95
193439	MCH	PIC16F627-20/P+R	DIP-18	1k flash, 20MHz, 16 I/O, C-temp	2.95	2.49
193447	MCH	PIC16F628-20/P+R	DIP-18	2K flash, 20MHz, 16 I/O, C-temp	2.95	2.75
246756	MCH	PIC16F628-20I/P+R	DIP-18	2k flash, 20MHz, 16 I/O, I-temp	3.59	3.45
223749	MCH	PIC16F630-I/P+R	DIP-14	1k flash, 20MHz, 12 I/O, I-temp	1.19	1.09
247142	MCH	PIC16F648A-I/P+R	DIP-18	4k flash, 20MHz, 16 I/O, I-temp	2.09	1.95
223757	MCH	PIC16F676-I/P+R	DIP-14	1k flash, 20MHz, 12 I/O, I-temp	1.39	1.29
312590	MCH	PIC16F684-I/P+R	DIP-14	2k flash, 20MHz, 12 I/O, I-temp	1.55	1.39
312611	MCH	PIC16F688-I/P+R	DIP-14	4k flash, 20MHz, 12 I/O, I-temp	1.95	1.75
2127523	MCH	PIC16F690-I/P+R	DIP-20	7k flash, 20MHz, 18 I/O	1.89	1.75
247071	MCH	PIC16F819-I/SS	SSOP-20	256-bit, 2k flash, 20MHz, 16 I/O	1.95	1.49
223773	MCH	PIC16F819-I/P+R	DIP-18	2k flash, 20MHz, 16 I/O, I-temp	1.95	1.75
246895	MCH	PIC16F870-I/SP+R	DIP-28	2k flash, 20MHz, 22 I/O, I-temp	2.95	2.85
246975	MCH	PIC16F873A-I/SP+R	DIP-28	4k flash, 20MHz, 22 I/O, I-temp	3.95	3.75
193367	MCH	PIC16F876-20/SP+R	DIP-28	8k flash, 20MHz, 22 I/O, C-temp	5.95	5.75
247011	MCH	PIC16F876A-I/SP+R	DIP-28	8k flash, 20MHz, 22 I/O, I-temp	4.49	4.35
247046	MCH	PIC16F877A-I/L+R	PLCC-44	8k flash, 20MHz, 33 I/O, I-temp	5.49	5.25
176882	MCH	PIC16F877-20/P+R	DIP-40	8k flash, 20MHz, 22 I/O, C-temp	5.65	5.45
247038	MCH	PIC16F877A-I/P+R	DIP-40	8k flash, 20MHz, 33 I/O, I-temp	4.85	4.69
2127531	MCH	PIC16F886-I/P+R	DIP-28	14k flash, 20MHz, 25 I/O	1.95	1.85
2127540	MCH	PIC16F887-I/P+R	DIP-40	14k flash, 20MHz, 35 I/O	2.15	2.05
247919	MCH	PIC17C44-33/P+R	DIP-40	8k OTP, 454-bit, 33MHz, 33 I/O	7.95	5.95
247994	MCH	PIC18F252-I/SP+R	DIP-28	32k flash, 40MHz, 23 I/O, I-temp	5.75	5.29
248031	MCH	PIC18F452-I/P+R	DIP-40	32k flash, 40MHz, 34 I/O, I-temp	5.95	5.75
248057	MCH	PIC18F458-I/P+R	DIP-40	32k flash, 40MHz, 33 I/O, I-temp	6.95	6.59
248330	ATM	ATMEGA8-16PI	DIP-28	8k flash, 16MHz, 23 I/O, I-temp	4.75	4.25
765302	ATM	ATTINY13-20PU+R	DIP-8	1k flash, 20MHz, 6 I/O, I-temp	2.25	2.05
168874	ATM	AT89C2051-24PU+R	DIP-20	2k flash, 24MHz, 15 I/O, C-temp	1.49	1.35
204089	ATM	AT89C4051-24PU+R	DIP-20	4k flash, 24MHz, 15 I/O, C-temp	2.45	2.15
689039	ATM	ATTINY2313V-10PU+R	DIP-20	2k flash, 10MHz, 18 I/O, I-temp	2.49	2.25
1537061	ATM	ATTINY2313-20PU+R	DIP-20	2k flash, 20MHz, 18 I/O, I-temp	2.95	2.49
323141	ATM	ATMEGA8515-16PC	DIP-40	8k flash, 16MHz, 35 I/O, C-temp	4.95	4.75
168911	ATM	AT89C51-24JC	PLCC-44	4k flash, 24MHz, 32 I/O, C-temp	2.95	2.75
168903	ATM	AT89C51-24PC	DIP-40	4k flash, 24MHz, 32 I/O, C-temp	2.95	2.75
168920	ATM	AT89C52-24PC	DIP-40	8k flash, 24MHz, 32 I/O, C-temp	2.95	2.49
220871	ATM	AT89S52-24JI	PLCC-44	8k flash, 24MHz, 32 I/O, I-temp	1.39	1.25
662637	ATM	AT89S52-24PC+R	DIP-40	8k flash, 24MHz, 32 I/O, C-temp	1.95	1.75
168946	ATM	AT89C55WD-24PC	DIP-40	20k flash, 24MHz, 32 I/O, C-temp	2.59	2.49
2139111	ATM	ATMEGA328P-PU+R	DIP-28	32k flash, 8-bit, 20MHz, 23 I/O lines	4.95	4.49
2129334	ATM	A000048	DIP-28	32k flash, 8-bit, ATmega328, 23 I/O lines	5.49	4.95
114403	DAL	DS80C320-MCG	DIP-40	High speed LP micro, C-temp	9.95	7.95
1951035	ATM	AT89S8253-24PU+R	DIP-40	12k flash, 24MHz, 32 I/O, I-temp	4.25	3.75
1183970	CPS	CY8C24123A-24SXI+R	SOIC-8	4k flash, 256B SRAM	1.49	1.35

* ANA = Anachip | ATM = Atmel Semiconductor | CPS = Cypress | DAL = Dallas Semiconductor | LAT = Lattice Semiconductor | MCH = Microchip | + Major Brands

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

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PARALLAX 50MIPS SX Microcontroller

Part No.	Mfr. Part No.	Description	1	10
162931	SX28AG/DP-G	DIP-28 50MIPS SX microcontroller	\$2.95	\$2.49



80C52-BASIC Microcontroller

*Web Code: CAH

A custom-masked microcontroller with a full-featured 8k-byte ROM-resident BASIC-52 interpreter. 256 x 8-bit RAM.

- Full BASIC interpreter in ROM on a single chip
- Operates DC to 12MHz
- "Stand-alone" software development
- On-chip oscillator and clock circuit
- Interrupts can be handled by BASIC or Assembly Language

Part No.	Mfr. Part No.	Description	1	10	50
125647	80C52BASIC	40-pin CPU 8-bit CMOS w/ BASIC interpreter	\$33.95	\$31.95	\$29.95

PARALLAX Propeller Microprocessor Chip

Designed for high-speed embedded processing while maintaining low-power and low-current consumption.

Complete specifications see www.jameco.com

Part No.	Mfr. Part No.	Package	1	10
2007134	P8X32A-D40	DIP-40	\$12.95	\$11.95

PARALLAX BASIC Stamp Modules

*Web Code: BSM

- 183071: BS2 OEM Kit Z Complete specs and photos see www.jameco.com

Part No.	Mfr. Part No.	Package	Speed	No. of I/O Pins	1	5
127693	BS1-IC	14-pin	4MHz	8	\$28.95	\$26.95
183071	27291	20-pin SIP	—	—	30.95	29.95
130892	BS2-IC	24-pin	20MHz	16 + 2	48.95	43.95
184911	BS2P24-IC	24-pin	20MHz (turbo)	16 + 2	74.95	69.95
184920	BS2P-40-IC	40-pin	20MHz (turbo)	16 + 2	88.95	79.95
159775	BS2SX-IC	24-pin	50MHz (turbo)	16 + 2	58.95	52.95

See page 171 for Parallax Boards & Kits

Interface Series

*Web Code: RBU

Part No.	Mfr. Part No.	Product No.	Pkg.	Description	1	10
832448	+	DS26LS32ACM/NOPB	SOIC-16	Quad differential line receiver	\$5.9	\$4.9
1291647	MCH	TC4420CPA	DIP-8	6A high speed MOSFET driver	1.49	1.29
312160	MAX	MAX7219CNG	DIP-24	5V, 8 digit LCD driver	7.95	6.95
313322	+	ICM7228AIP	DIP-28	5V, 8 digit LCD driver	7.95	7.49
241875	+	FAN8082	DIP-8	18V, bi-directional DC motor driver	1.19	1.09
277940	+	SN75179BP	DIP-8	5V, diff line driver/receiver	1.09	.99
277974	+	SN75183N	DIP-14	5V, dual diff line driver	.99	.69
51027	+	SN75451AN	DIP-8	7V, dual peripheral AND driver	.55	.45
51131	+	SN75492P	DIP-14	5V, HEX digit driver	4.95	4.49

*Ethernet Controllers Available Online — Enter Web Code LAE

*Interface Controllers Available Online — Enter Web Code HAS



Digital Interface

*Web Code: WBB

Part No.	Mfr. Part No.	Pkg.	Description	1	10	50
171951	PDN702	DIP-18	Serial LCD interface	\$7.19	\$6.75	\$6.25
171969	PDN1144	DIP-18	Keypad encoder	5.19	4.95	4.75
141532	PDN1200	DIP-18	Unipolar stepper motor controller	6.39	6.15	5.95

Stepper Motor Drivers/Controllers

*Web Code: GDP

Part No.	Mfr. Part No.	Product No.	Pkg.	Description	1	10	100
288067	ST	L297/1	DIP-20	Stepper motor controller, 5V	\$8.95	\$7.95	\$6.95
245403	ST	L298N	MW-15	Dual full-bridge driver, 46V	2.75	2.49	2.35
288091	ST	L6202	DIP-18	DMOS full-bridge driver, 48V	5.95	4.95	3.95
288104	ST	L6203	MW-11	DMOS full-bridge driver, 48V	7.49	6.95	6.25

*Motion Control Available Online — Enter Web Code DEU

* ALL = Allegro | HIT = Hitachi | MAX = Maxim Semi | MCH = Microchip | MOT = Motorola | NSC = National Semi | ST = ST Micro | TI = Texas Instruments | + Major Brands

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Motor/Display Drivers

*Web Code: DAD

Part No.	Mfr. Part No.	Product No.	Pkg.	Description	1	10	100
1762681	ALL	UDN2981A-T	DIP-18	8-channel source driver	\$1.79	\$1.59	\$1.39
24230	NSC	LM3914N	DIP-18	25V, dot/bar display driver	2.75	2.49	2.25
300003	NSC	LM3914N-1	DIP-18	25V, dot/bar display driver	2.25	1.85	1.59
24256	NSC	LM3915N	DIP-18	25V, dot/bar display driver	2.95	2.75	2.49
901061	NSC	LM3915N-1	DIP-18	3dB/step, 30db range dot/bar disp. dvr	2.75	2.25	1.95
24272	NSC	LM3916N	DIP-18	3-25V, dot/bar display driver	2.75	2.49	2.25
2126299	HIT	HA13426	SP-23TA	3 phase motor driver	1.95	1.75	1.25
241824	MOT	MC14489BP	DIP-20	5V, 7-segment LED display driver	4.75	4.25	3.49
2129959	TI	SN65512CN	DIP-20	Dot/vacuum fluorescent display driver	.49	.45	.39

Buffer

Part No.	Product No.	Pkg.	Description	1	10	100
23051	LH0002CN	DIP-10	General purpose buffer	\$12.95	\$11.95	\$10.95

KAE Servo Controllers

*Web Code: YBC

Controller operates from standard 8-bit serial interface (RS232 or RS485). Using RS485, any mix of up to 32 controllers may be operated from a single serial port. Complete documentation.

146472: PIC-SERVO Motion Control Chipset for DC Motors

- For DC motors with digital encoders
- 32-bit position, velocity and acceleration resolution
- PWM and direction outputs connect to servo amplifier
- Two chipset (PIC-SERVO V.4, 28-pin and PIC-ENC V.1, 18-pin)

323934: PIC-SERVO SC Servo Motion Control I.C.

- For DC motors (brush or brushless w/ incremental encoder feedback)
- Serial interface connects to RS232/485/422 communication port
- Position control, velocity control, trapezoidal profiling, plus step and direction inputs

2134467: Motion Basic Controller Chip

- Microcontroller allowing the creation of simple stand-alone motion control programs
- Controls up to 8 PIC control board modules

2134441: PIC-STEP Motion Controller Chip

- High speed indexer for stepper motor control systems
- Speeds up to 50,000 steps per second are suitable for micro stepping

Part No.	Mfr. Part No.	Package	1	10	50
146472	KAE-T0V4-DPS	DIP-28/18, 0.3"	\$35.95	\$34.49	\$32.95
323934	KAE-T0V10-DP	DIP-28, 0.3"	29.95	28.49	26.95
2134467	KAE-MBV1-DP	DIP-28, 0.3"	28.95	26.95	24.95
2134441	KAE-T3V1-SO	SOIC-28, 0.3"	25.95	23.95	21.95

KAE Smart Serial Adapter

Serial Converter/Stand Alone Host Controller

- Supports USB or RS232 serial interface
- Up to 32 NMC PIC-SERVO, PIC-STEP, PIC-I/O modules can be controlled from a single smart serial adapter
- RS232 operation supports baud rates from 19,200 to 115,200
- Supports Windows®, LINUX, Mac® OS, and other operating systems
- May be used as a stand alone host with either the simple sequencer chip or a PIC18F2620 MCU
- On board connector for MICROCHIP MPLAB ICD2

Part No.	Mfr. Part No.	Description	1	5
1586120	KAE-SSA485-BDV2	Smart serial adapter	\$99.95	\$94.95

KAE PIC-I/O General Purpose I/O Controller

- Allows the addition of general purpose I/O capabilities to your motion control system
- Controller: PIC digital and analog I/O
- 12 digital I/O pins programmable as inputs or outputs
- Three 8-bit analog inputs
- Two PWM output channels with high current (5 amp) drivers

Part No.	Mfr. Part No.	Description	1	5
2134475	KAE-T2V1-BDV	General purpose I/O controller	\$115.95	\$109.95

Drivers/Receivers, Comparators, Power Management & Amps



RS-232 Drivers/Receivers

*Web Code: EAV

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
142535	+	MAX202CPE	DIP-16	5V, 120kbps, w/ 0.1µF ext. caps	\$2.95	\$2.25	\$1.59
244232	+	MAX202CSE	SOIC-16	5V, 120kbps, w/ 0.1µF ext. caps	1.95	1.49	1.25
24811	+	MAX232CPE*	DIP-16	5V, 200kbps, multichannel	1.85	1.65	1.25
24812	+	MAX232CPE	DIP-16	5V, 200kbps, multichannel	1.95	1.75	1.35
318959	MAX	MAX232CPE	DIP-16	5V, 200kbps, multichannel	2.49	2.09	1.59
256401	+	MAX232DR	SOIC-16	5V, 120kbps, dual driver/rcvr	.59	.45	.39
698576	TI	MAX232N	DIP-16	Dual EIA-232 driver/receiver, C-temp	.79	.69	.59
903277	TI	MAX232IN	DIP-16	Dual EIA-232 driver/receiver, I-temp	.75	.65	.55
106163	+	MAX233CP	DIP-20	5V, 120kbps, multichannel	5.95	5.49	4.75
106171	+	MAX235CPG	DIP-24	5V, 120kbps, multichannel	8.95	7.95	6.95
23157	+	DS1488N*	DIP-14	15V, quad line driver	.45	.39	.35
16379	+	DS14C89N	DIP-14	5V, quad line receiver	.79	.69	.59
235301	+	DS14C232CN	DIP-16	5V, LP, TIA/EIA dual driver/rcvr	1.25	1.05	.85
23181	+	SN75189N*	DIP-14	5V, quad line receiver	.45	.39	.35
25099	+	MC145406P	DIP-16	5-12V, EIA-232-D/V.28 driver/rcvr	2.49	2.25	1.95

*10 pcs. in Linear series IC cabinet kit, pg 13

RS-422/423/485 Drivers/Receivers

*Web Code: NBT

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
299807	+	LTC485CN8	DIP-8	RS-485 LP transceiver, 5V	\$2.25	\$1.59	\$1.49
244195	+	MAX1487CPA	DIP-8	RS-485/422 LP transceiver, 12V	2.25	1.75	1.55
39571	+	26LS30	DIP-16	RS-422/423 line driver, 5V	2.49	2.25	1.95
39600	+	26LS32	DIP-16	RS-422/423 quad diff. line receiver, 5V	.49	.39	.29
50948	+	SN75174N	DIP-16	RS-422 quad diff. line driver w/ 3 st.	1.29	1.19	1.09
50956	+	SN75175N	DIP-16	RS-422/423 quad diff. line receiver, 5V	1.29	1.19	1.09
758364	TI	SN75176AP	DIP-8	RS-422 differential bus transceiver	.69	.59	.45
50964	+	SN75176BN	DIP-8	RS-422 diff. line bus transceiver, 5V	.69	.59	.45

Encoders/Decoders

*Web Code: VAR

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
243408	+	TP3054N	DIP-16	U-law PCM CODEC & filter, 5V	\$1.25	\$1.05	\$.85
296702	MOT	MC145026P	DIP-16	Encoder, 4.5-18V	2.95	2.75	2.49
296711	MOT	MC145027P	DIP-16	Decoder, 4.5-18V	1.95	1.75	1.49
123730	HOL	HT12E	DIP-18	Encoder, 2.4-12V	1.75	1.55	1.35
123748	HOL	HT12D	DIP-18	Decoder, 2.4-12V	1.65	1.45	1.25

A/D & D/A Converters

*Web Code: QAG

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
277131	MAX	MAX110BCPE	DIP-16	A/D, 14-bit, 5V, 50sps, 2-ch	\$9.95	\$8.49	\$8.25
10145	NSC	ADC0803LCN	DIP-20	A/D, 8-bit, 5V, 9.1Ksps, 1-ch	3.95	3.25	2.95
10153	NSC	ADC0804LCN	DIP-20	A/D, 8-bit, 5V, 9.1Ksps, 1-ch	3.19	2.59	2.19
828342	NSC	ADC0804LCN/NOBP	DIP-20	A/D, 8-bit µP compatible (±1LSB)	3.25	2.65	2.25
10170	NSC	ADC0808CCN	DIP-28	A/D, 8-bit, 5V, 9.1Ksps, 8-ch	4.95	4.49	3.75
10188	NSC	ADC0809CCN	DIP-28	A/D, 8-bit, 5V, 9.1Ksps, 8-ch	3.59	2.95	2.59
10225	NSC	ADC0820CCN	DIP-20	A/D, 8-bit, 5V, 1.5µs	3.59	2.95	2.69
116100	NSC	ADC0831CCN	DIP-8	A/D, 8-bit, 5V, 32µs	2.49	2.09	1.75
1252488	NSC	ADC0838CCN/NOBP	DIP-20	A/D, 8-bit serial, 5V, 32µs	2.95	2.49	2.25
288681	TI	THS1030IDW	SOIC-28	A/D, 10-bit, 3-5.5V, 30Msps	2.95	2.49	1.95
288593	TI	PCM1800E	SSOP-24	A/D, 20-bit, 5V, 32-48KHz, 2-ch	1.95	1.75	1.49
288016	MCH	MCP3302-CI/SL	SOIC-14	A/D, 13-bit, 2.7-5.5V, 50-100Ksps, 2-ch	1.49	1.25	.95
43756	+	7107CPL	DIP-40	A/D, 3 1/2-digit LCD/LED, ±5V	2.75	2.49	2.25
115158	ADI	AD558JN	DIP-16	D/A, 8-bit, 5-15V, 1-5-3µs, 1-ch	11.95	10.95	9.95
1944581	SAM	KDA0408	DIP-42	D/A, 8-bit, 5V, 60Msps, triple	.49	.39	.35
14904	NSC	DAC0800LCN	DIP-16	D/A, 8-bit, 4.5-18V, 150ns	1.55	1.25	.95
14947	NSC	DAC0808LCN	DIP-16	D/A, 8-bit, 4.5-18V, 150ns	1.75	1.49	1.19
14963	NSC	DAC0830LCN	DIP-20	D/A, 8-bit, 5-15V, 1µs	5.95	5.25	4.49
290781	TI	TLV5604ID	SOIC-16	D/A, 10-bit, 2.7-5.5V, 20MHz, 4-ch	2.95	2.49	1.95
1783887	ADI	AD7398BRUZ	TSSOP-16	D/A, 12-bit, quad serial in	9.95	8.95	7.95
290052	TI	TLC7524CN	DIP-16	D/A, 8-bit, 5-15V, 100ns	3.25	2.95	2.45

*ADI = Analog Devices | HOL = Holtek | MAX = Maxim | MCH = Microchip | MOT = Motorola | NSC = National | ON = ON Semi | SAM = Samsung | ST = ST Micro | TI = Texas Ins. | + Major Brands

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Comparators

*Web Code: EBS

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
311044	NSC	LM111J-8	DIP-8	Voltage comparator	\$4.95	\$3.95	\$2.95
282087	+	LM139J	CDIP-14	Low power, low offset volt quad	2.49	2.25	1.95
23528	+	LM311N*	DIP-8	Voltage comparator	.29	.25	.19
143888	+	LM339AN	DIP-14	Low power quad comparator	.29	.25	.19
23851	+	LM339N*	DIP-14	Quad comparator	.25	.22	.17
826742	TI	LM339N	DIP-14	Quad differential comparator	.29	.25	.22
120900	+	LM392N	DIP-8	Low power op amp./volt comp.	1.09	.99	.89
212177	+	LM393AN	DIP-8	Low power low offset volt quad comp.	.29	.25	.22
24281	+	LM393N*	DIP-8	Dual comparator	.25	.22	.17
277190	NSC	LMC7211BIM	SOIC-8	Comp w/ rail-to-rail input, push pull output	.49	.39	.29

*10 pcs./**20 pcs. included in Linear kit, pg 13

Power Management

*Web Code: PMT

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10
312848	TI	BQ2004PN	DIP-16	NiMH/NiCd switchmode chrg mgmt w/ neg dV	\$1.95	\$1.49

ANALOG
DEVICES

Amplifiers

*Web Code: ANA

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
1780862		AD620ANZ	DIP-8	Low cost, LP instrumentation amp	\$6.75	\$5.49	\$4.75



Instrumentation Amplifier

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
825934		INA126PA	DIP-8	µPower instrumentation amp.	\$2.75	\$2.49	\$2.25

Audio Amps

*Web Code: MBP

Part No.	*Mfr.	Product No.	Pkg./Pins	Description	1	10	100
243678	ADI	OP275GP	DIP-8	Dual JFET audio op amplifier	\$2.29	\$2.09	\$1.95
24037	NSC	LM380N	DIP-14	2-watt, power amplifier	1.39	1.15	.89
24088	NSC	LM383T	TO-220/5	7-watt, high power	5.95	5.49	4.95
24096	NSC	LM384N	DIP-14	5-watt audio amplifier	1.69	1.39	1.15
193623	NSC	LM386M-1	SOIC-8	Low volt audio power amp.	.69	.59	.49
24125	NSC	LM386N-1*	DIP-8	Low voltage, 250mW/6V	.89	.75	.59
24126	NSC	LM386N-1	DIP-8	Low voltage, 250mW/6V	.95	.79	.59
24133	NSC	LM386N-3*	DIP-8	Low voltage, 500mW/9V	.79	.65	.55
24942	ON	MC1350P	DIP-8	Video IF amp. (12V operation)	2.95	2.75	2.49
23270	NSC	LM1875T	TO-220/5	20-watt audio power amp.	3.15	2.95	2.75
835753	NSC	LM1875T/LB03	TO-220/5	20W audio pwr amp. (staggered leads)	3.25	2.95	2.75
23288	NSC	LM1877N-9	DIP-14	Dual power audio amplifier	2.95	2.49	2.25
107140	NSC	LM1881N	DIP-8	Video synchronous separator	2.59	2.09	1.75
32897	ST	TDA2002V	TO-220/5	8-watt audio high power amp.	4.95	4.49	3.95
315344	ST	TDA2040V	PWAT-5	20-watt hi-fi power	2.39	2.25	2.09
275830	TI	OPA2134PA	DIP-8	High performance audio op amp.	2.95	2.49	2.25
320670	NSC	LM3886TF	TO-220/11	68-watt high-perf., isol. pkg.	5.95	4.95	4.25
192516	NSC	LM3886T	TO-220/11	68-watt high-performance	5.95	4.95	4.25
302201	NSC	LM4752T	TO-220/7	Stereo 11-watt audio power amp.	4.95	4.49	3.95
316873	MOT	MC34119D	SOIC-8	LP audio amp. (500mW, 16VDC)	1.19	1.09	.89
316865	MOT	MC34119P	DIP-8	LP audio amp. (500mW, 16VDC)	2.49	2.25	1.95

*10 pieces included in Linear kit, pg 13

LINEAR GRAB BAGS

See page 39 for more Grab Bags.

Part No.	Product No.	Description	Wt. (lbs.)	1	10
18024	GB109	100 asst. linear series (NSC, Motorola, TI, etc) TO-3, 8 & 14-pin DIP, SOIC packages	0.1 ..	\$12.95	\$11.49
145242	GB109LB	300 asst. linear series (NSC, Motorola, TI, etc) TO-3, 8 & 14-pin DIP, SOIC packages	0.5 ..	29.95	26.95

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Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

Op Amps

*Web Code: WAD

Part No.	Mfr.	Product No.	Pkg.	Description	* Order in multiples of 10		
					1	10	100
27852	♦	OP07CP	DIP-8	Ultra-low offset voltage	\$.89	\$.79	\$.69
252988	♦	OP07DP	DIP-8	Very low offset single bipolar	.69	.59	.49
120715	♦	LM10CN	DIP-8	Op amp and voltage reference	2.25	2.05	1.85
1062114	TI	TL026CP	DIP-8	Diff. high-freq. amp. w/ AGC	.99	.89	.69
275805	TI	OPA27GP	DIP-8	Ultra-low noise precision	2.65	2.35	2.15
275784	TI	OPA27GU	SOIC-8	Ultra-low noise precision	1.49	1.25	.95
115300	♦	OP27EP	DIP-8	Low noise precision op amp.	4.49	3.75	3.25
115318	♦	OP27GP	DIP-8	Low noise precision (-40° to 80°C)	2.49	1.95	1.59
1944812	ST	TL27L2IN	DIP-8	Prec. very low power CMOS dual	.39	.29	.25
33161	♦	TL062CP	DIP-8	Low power JFET op amp.	.59	.49	.45
33187	♦	TL071CP	DIP-8	Low noise JFET op amp.	.29	.25	.22
213073	♦	TL072ACP	DIP-8	Low noise JFET input op amp.	.69	.59	.49
33195	♦	TL072CP*	DIP-8	Low noise JFET dual op amp.	.25	.22	.19
33216	♦	TL074CN*	DIP-14	Low noise JFET quad op amp.	.45	.39	.35
278328	TI	TL074CN	DIP-14	Wide-band, high-output drive	.99	.89	.69
213057	♦	TL081ACP	DIP-8	JFET input, low offset w/ control	.69	.59	.49
33232	♦	TL081CP	DIP-8	JFET input, offset control	.39	.35	.29
214076	♦	TL082ACP	DIP-8	JFET input, low offset	.49	.39	.35
2002077	ST	TL082CN	DIP-8	JFET input dual op amplifier	.59	.49	.39
33241	♦	TL082CP*	DIP-8	JFET input dual op amplifier	.39	.35	.29
214084	♦	TL084ACN	DIP-14	JFET input op amplifier	.49	.45	.39
193535	♦	TL084CD	SOIC-14	JFET input quad op amplifier	.45	.39	.29
33267	♦	TL084CN*	DIP-14	JFET input quad op amplifier	.39	.35	.29
143917	TI	TLC272CP	DIP-8	LinCMOS precision dual op amp.	.69	.59	.49
212151	♦	LM301AN*	DIP-8	Operational amplifier	.45	.39	.35
245673	♦	LM308AH	TO-5/8	Precision op amplifier	4.95	4.49	3.95
23464	♦	LM308N*	DIP-8	Precision op amplifier	6.95	6.25	5.49
23608	NSC	LM318N	DIP-8	Precision high speed	.89	.79	.69
212169	♦	LM324AN	DIP-14	Low power quad op amplifier	.35	.29	.25
86721	♦	LM324D	SOIC-14	Low power quad op amplifier	.29	.22	.19
23683	♦	LM324N**	DIP-14	Low power quad op amplifier	.29	.25	.22
826671	TI	LM324NE4	DIP-14	Quad op amplifier	.35	.29	.25
22904	♦	LF347N	DIP-14	Quad JFET input (wide band)	.55	.45	.39
23915	♦	LM348N	DIP-14	Quad 741 op amp (UPC4741C)	.35	.29	.25
22912	♦	LF351N	DIP-8	BIFET op amplifier	.45	.39	.35
22939	♦	LF353N*	DIP-8	Dual BIFET (comp w/ TL082CP)	.39	.35	.29
22971	NSC	LF356N*	DIP-8	JFET input (wide band)	.99	.85	.65
833889	NSC	LF356N/NOBP	DIP-8	JFET input (wide band)	1.05	.89	.69
22998	♦	LF357N	DIP-8	JFET input (wide band)	2.95	2.75	2.49
120862	♦	LM358AN	DIP-8	Low power dual (improved 358N)	.25	.22	.19
23966	♦	LM358N*	DIP-8	Low power dual op amplifier	.29	.25	.22
23018	♦	LF411CN*	DIP-8	Low offset drift JFET input	1.25	1.09	.89
23026	♦	LF412CN*	DIP-8	Low offset drift JFET input dual	1.29	1.19	.95
106681	♦	LF442CN	DIP-8	Dual low power JFET input	1.29	1.09	.89
119992	♦	LF444CN	DIP-14	Quad low power JFET input	1.65	1.39	1.25
276613	MAX	MAX474CSA	SOIC-8	Dual 10MHz single supply op amp	1.95	1.49	1.25
143976	♦	LMC660CN	DIP-14	CMOS quad operational amplifier	1.75	1.45	1.25
120926	♦	LM675T	TO-220/5	Power op amplifier	5.95	5.25	4.49
1302123	♦	LM675T/LB03	TO-220/5	Power op amplifier (staggered)	4.95	3.95	3.25
24491	♦	LM733CN	DIP-14	Differential amplifier	1.09	.95	.75
24521	♦	LM741CH	TO-5/8	Op amplifier	5.49	4.95	4.49
24539	♦	LM741CN*	DIP-8	Op amplifier	.29	.25	.22
24540	♦	LM741CN	DIP-8	Op amplifier	.29	.25	.22
830522	TI	UA741CP	DIP-8	General purpose op amplifier	.39	.35	.29
840763	NSC	LM741CN/NOBP	DIP-8	General purpose op amplifier	.79	.59	.45
24563	♦	LM747CN	DIP-14	Dual 741 op amplifier	.79	.69	.59
239222	♦	LTC1001CN8	DIP-8	Precision op amplifier	1.95	1.49	1.25
239169	♦	LT1013CP	DIP-8	Dual precision op amplifier	1.75	1.49	1.25
239177	♦	LT1014DN	DIP-14	Quad precision op amplifier	3.95	3.75	2.95
1745688	LTC	LTC1050CN8	DIP-8	Precision zero-drift op amp w/ internal cap	4.95	4.49	4.25
23131	♦	LM1458N*	DIP-8	Dual op amplifier	.35	.29	.25
903509	TI	MC1458P	DIP-8	Dual general purpose op amplifier	.35	.25	.22
1085819	TI	TLC2272CP	DIP-8	Advanced LinCMOS® rail-to-rail	1.39	1.29	1.09

*10 pcs./**20 pcs. included in Linear cabinet kit, pg 13

Op Amps (Continued)

*Web Code: WAD

Part No.	Mfr.	Product No.	Pkg.	Description	* Order in multiples of 10		
					1	10	100
1944839	♦	TLV2727CP	DIP-8	Hi slew rate r-r output, w/ shutdown	\$.99	\$.89	\$.79
12116	♦	CA3080E	DIP-8	Op transconductance amplifier	3.95	3.75	3.49
12183	♦	CA3130E	DIP-8	CMOS op amplifier	1.49	1.25	1.05
12204	♦	CA3140E	DIP-8	Bi-MOS op amplifier	1.29	1.19	1.09
24168	♦	LM3900N	DIP-14	Quad amplifier	.49	.45	.35
251125	♦	MC4558CN	DIP-8	Wide bandwidth dual bipolar	.35	.29	.25
908246	TI	RC4558DR	SOIC-8	Dual general purpose op amplifier	..	.09	.07
27385	♦	NE5532*	DIP-8	Dual low noise op amplifier	.49	.45	.39
252970	♦	NE5532AP	DIP-8	Dual lower noise op amplifier	.65	.55	.45
27406	♦	NE5534	DIP-8	Low noise op amplifier	.79	.69	.59
302076	NSC	LM6134BIN	DIP-14	Quad LP r-r in/out, 10MHz	3.75	3.25	2.75
302086	NSC	LM6142AIM	SOIC-8	Dual r-r in/out, 17MHz	1.95	1.49	1.25
301874	NSC	LM6181IN	DIP-8	100mA, 100MHz current feedback	2.75	2.35	2.05
301356	NSC	LM6484AIN	DIP-14	CMOS quad r-r I/O, lower VOS	4.25	3.25	2.69
192532	NSC	LM13700N	DIP-16	Dual op transcon. w/ diodes/buffer	1.85	1.49	1.35
192533	NSC	LM13700N/NOBP	DIP-16	Dual op transcon. w/ diodes/buffer	1.89	1.55	1.39
871586	ON	MC33204P	DIP-14	Low voltage, rail-to-rail	.89	.69	.49
251061	ON	MC34072P	DIP-8	Single supply 3V-44V op amplifier	.99	.79	.59

*10 pcs. included in Linear cabinet kit, pg 13

Linear Series

*Web Code: FAD

Part No.	Mfr.	Product No.	Pkg./Pins	Description	* Order in multiples of 10		
					1	10	100
25751	♦	MF10CCN	DIP-20	Gen. purpose dual active filter	\$4.49	\$3.59	\$2.95
16301	♦	DS0026CN	DIP-8	Dual MOS clk. driver (5MHz)	4.95	3.95	2.95
238281	♦	DG201BDJ	DIP-16	Quad analog switch	1.15	1.05	.95
1341966	TI	TL293DNE	DIP-16	Quad half-H drivers, I-temp	2.95	2.49	1.95
1342011	TI	TL293NE	DIP-16	Quad half-H drivers, C-temp	2.39	2.15	1.59
23721	♦	LM331N	DIP-8	Prec volt to freq convtr (150ppm/°C)	2.25	1.85	1.65
23739	NSC	LM334Z	TO-92/3	Adjust current source	.79	.65	.49
23771	NSC	LM336Z-2.5	TO-92/3	Voltage reference (2.5V)	.39	.35	.29
24117	♦	LM385Z-1.2	TO-92/3	Micropwr volt. ref. diode (1.2V)	.49	.39	.29
23000	♦	LF398N	DIP-8	Sample and hold circuit	1.39	1.15	.95
309833	♦	DG403DJ	DIP-16	Dual SPDT & SPDT analog switch	2.75	2.49	2.25
256532	♦	DG408DJ	DIP-16	1 of 8 multiplexer/demultiplexer	1.49	1.25	.95
279540	♦	DG419DJ	DIP-8	Dual SPST (NO/NC) analog switch	1.25	1.09	.95
33347	♦	TL431CLP	TO-92/3	Program precision reference	..	.15	.12
33355	♦	TL494CN	DIP-16	Contrl circuit pulse-width-modulated	.45	.39	.35
86799	♦	LM555CM	SOIC-8	Timer	.39	.35	.29
27422	♦	LM555CN**	DIP-8	Timer (MC1455P/NE555V)	.25	.22	.17
27423	♦	LM555CN	DIP-8	Timer (MC1455P/NE555V)	.29	.25	.19
840608	NSC	LM555CN/NOBP	DIP-8	Timer	1.25	1.05	.85
126797	♦	LM555CN*	DIP-8	CMOS timer	.69	.59	.45
841571	NSC	LM555CN/NOBP	DIP-8	CMOS timer	1.49	1.25	.95
890091	ST	NE555N	DIP-8	Gen. purp. single bipolar timer	.29	.25	.22
904085	TI	NE555P	DIP-8	Precision timer	.39	.35	.25
761272	TI	TLCS55CP	DIP-8	LinCMOS™ timer, C-temp	.65	.55	.49
24328	♦	LM556N*	DIP-14	Dual 555 timer	.29	.25	.22
24329	♦	LM556N	DIP-14	Dual 555 timer	.39	.35	.29
904114	TI	NE556N	DIP-14	Dual precision timer	.35	.29	.25
27473	ST	NE564N	DIP-16	High freq. phase locked loop	2.95	2.75	2.49
24352	♦	LM565N	DIP-14	Phased locked loop	2.95	2.75	2.49
24395	♦	LM567CN	DIP-8	Tone decoder	1.39	1.09	.95
27490	ST	NE571N	DIP-16	Compander, subscriber	4.49	4.25	3.95
115174	ADI	AD620AN	DIP-8	Low-cost instrument amp.	6.49	5.25	4.49
115182	ADI	AD633JN	DIP-8	Low-cost analog multiplier	6.95	6.25	5.75
23211	♦	LM1496N	DIP-14	Balanced mod/demodulator	.69	.59	.49
34278	♦	ULN2003A*	DIP-16	Hi-volt/curr. darl. transistor array	.35	.29	.25
1147178	TI	ULN2003AN	DIP-16	Hi-volt/curr. darl. transistor array	.49	.45	.35
193826	♦	ULN2003AD	SOIC-16	Hi-volt/curr. darl. transistor array	.49	.39	.35
34294	♦	ULN2004AN	DIP-16	Hi-volt/curr. darl. transistor array	.39	.35	.29
34972	EXR	XR2206CP	DIP-16	Monolithic function generator	6.49	5.95	5.49
34999	♦	XR2211	DIP-14	FSK demodulator/tone decoder	1.95	1.75	1.49

*10 pcs./**20 pcs. included in Linear cabinet kit, pg 13

* ADL = Analog Devices | EXR = EXAR | LTC = Linear Tech | MAX = Maxim | NSC = National Semi | ON = ON Semi | ST = ST Micro | TI = Texas Instruments | ♦ Major Brands

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Linear Series, Digital Pots, Sensors & Voltage Regulators



Linear Series (Continued)

*Web Code: FAD

Part No.	Mfr.	Product No.	Pkg./Pins	Description	* Order in multiples of 10		
					1	10	100
280073	TI	TLE2426CLP	TO-92/3	Rail splitter prec. virtual ground ...	\$1.49	\$1.39	\$1.29
2125798	AST	AS2431	TO-92/3	Precision adjustable shunt	*	.19	.15
34315	+	ULN2803A*	DIP-18	Hi-volt/curr. darl. transistor array ....	.59	.55	.49
34316	+	ULN2803A	DIP-18	Hi-volt/curr. darl. transistor array ....	.65	.59	.55
700664	TI	ULN2803AN	DIP-18	Darlington transistor array, I-temp ...	.79	.65	.55
123625	NSC	LM2907N-8	DIP-8	Frequency to volt converter	1.75	1.39	1.19
23317	NSC	LM2907N	DIP-14	Frequency to volt converter	1.75	1.49	1.25
23350	NSC	LM2917N-8	DIP-8	Freq. to volt conv. w/ zener	1.95	1.75	1.49
23341	NSC	LM2917N-14	DIP-14	Freq. to volt conv. w/ zener	1.75	1.59	1.39
12079	+	CA3046N	DIP-14	NPN transistor array	1.49	1.39	1.25
12159	+	CA3086N	DIP-14	NPN transistor array	1.95	1.75	1.49
31974	+	SG3524N	DIP-16	Regulating pulse width modulator ...	.69	.59	.49
29372	EXR	XR4151CP-F	DIP-8	Volt to frequency converter	1.25	.95	.75
1944759	NXP	SAA6579	DIP-16	Radio data system demodulator	*	.05	.03
312135	TI	TPS6735IP	DIP-8	Fixed neg 5V 200mA invert DC/DC con ...	.99	.79	.59
51140	+	7555IPA	DIP-8	CMOS timer .....	.45	.39	.35
51174	+	7660CPA	DIP-8	CMOS volt converter (+5 to ±5V) .....	.75	.65	.55
316646	+	ICL7662CPA	DIP-8	Volt convtr., 20Vin, 4.5-20V out ...	2.49	1.75	1.49
25021	ON	MC14411P	DIP-24	Bit rate frequency generator	5.95	5.49	4.95
25064	ON	MC14490P	DIP-16	Hex contact bounce eliminator	4.25	3.95	3.49
1054684	TI	SN75441ONE	DIP-16	Quad half-H drivers	1.95	1.75	1.55

*10 pcs. included in Linear cabinet kit, below

Linear IC Kit

*Web Code: CKS

SAVE \$84

10 each: TL072CP, TL074CN, TL082CP, TL084CN, MAX232CPE, LM301N, LM308N, LM311N, LM337T, LF353N, LF356N, LM358N, LM386N-1, LM386N-3, LM393N, LF411CN, LF412CN, LMC555CN, LM556N, LM723CN, LM1458N, DS1488N, DS1489N, ULN2003A, ULN2803A, NE5532N, 7808T, 78L12, 7815T, 7905T, 7912CT, 7915CT

Part No.	Description	Wt. (lbs.)	1	5
84988	480 pcs. (40 types) analog IC kit	6.0	\$189.95	\$169.95
130411	Refill for 84988 (480 pcs.)	1.3	174.95	159.95

Digital Potentiometers

*Web Code: JBP

Part No.	Mfr.	Product No.	Pkg.	Description	1	10	100
1778367	ADI	AD5282BRU200	TSSOP-16	Dual, 256 position	\$1.95	\$1.49	\$1.25
2044373	MAX	MAX5402EUA	8uMAX	256-Tap, uPot, low drift .....	.99	.79	.59
241744	MCH	MCP41010-I/P	DIP-8	10kΩ, 256 steps, SPI	1.49	1.25	.99
241752	MCH	MCP42010-I/P	DIP-14	10kΩ, 256 steps, 2-ch SPI	1.95	1.75	1.49

*MUX/DEMUXs Available Online — Enter Web Code RAB

*Voltage References Available Online — Enter Web Code TBD

Temperature Sensors

*Web Code: WAN

Part No.	Mfr.	Product No.	Pkg./Pins	Description	1	10	100
107094	NSC	LM34CZ	TO-92/3	Prec temp sensor (-40° to +230°F) ..	\$5.95	\$5.25	\$4.75
193480	NSC	LM34DM	SOIC-8	Prec temp sensor (-55° to 300°F) ..	1.95	1.75	1.49
155192	NSC	LM34DZ	TO-92/3	Prec temp sensor (+32° to +212°F) ..	2.25	1.95	1.49
107107	NSC	LM35CZ	TO-92/3	Prec temp sensor (-40° to 110°C) ..	4.95	4.15	3.49
192217	NSC	LM35DT	TO-220/3	Prec temp sensor (-55° to 150°C) ..	2.49	1.95	1.55
155740	NSC	LM35DZ	TO-92/3	Prec temp sensor (0° to +100°C) ...	1.59	1.25	.95
278387	ADI	TMP36GT9	TO-92	Low voltage temp. sensor	1.29	1.09	.95
301604	NSC	LM74CIBP-5	µSMD-5	12-bit + sign digital temp sensor .....	.99	.79	.59
120820	+	LM335AZ	TO-92/3	Precision temperature sensor .....	.99	.89	.79
23755	+	LM335Z	TO-92/3	Volt mode temperature sensor .....	.75	.65	.55
241939	ADI	AD590JH	TO-52/3	Two terminal IC temp transducer ..	7.95	6.95	5.95
313306	ADI	AD594AQ	DIP-14	Thermocouple amp for iron-constantan	13.95	13.49	13.25
313293	ADI	AD595AQ	DIP-14	Thermocouple amp for chromel-alumel	14.95	13.95	12.95
302551	DAL	DS18S20	TO-92/3	High-prec. 1-wire digital thermo ...	3.95	3.25	2.25

* ADI = Analog Devices | AST = Astec | DAL = Dallas | EXR = EXAR | FSC = Fairchild | MAX = Maxim | MCH = Microchip | NEC = NEC Corp | NSC = National | NXP = NXP/Philips | ON = ON Semi | ST = ST Micro | TI = Texas Ins.

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Hall Effect Sensors

*Web Code: REB

Part No.	Mfr. Part No.	Pkg.	Description	1	10	100
1718743	A1302EUA-T	SIP-3	Continuous-time ratiometric linear sensor	\$1.95	\$1.75	\$1.49
2135881	A1302KUA-T	SIP-3	Continuous-time ratiometric linear sensor ..	1.95	1.75	1.49
1871879	OH180U	SIP-3	Mono IC w/ hall linear amp & sensor ..	2.95	2.75	2.49

Voltage Regulators

*Web Code: TAC

Part No.	Mfr.	Product No.	Pkg./Pins	Description	* Order in multiples of 10		
					1	10	100
23499	+	LM309K	TO-3/2	5V, 1A (0°C to +125°C)	\$5.95	\$5.49	\$4.95
192268	NSC	LM317AT	TO-220/3	3-terminal adj. (1.2V-37V)	1.65	1.35	.95
837898	NSC	LM317AT/NOPB	TO-220/3	3-term. 1.5A output adj pos, I-temp	1.69	1.39	1.15
192276	NSC	LM317HVT	TO-220/3	3-terminal adj. (1.2V-57V)	2.25	1.95	1.65
23544	+	LM317K	TO-3/2	1.5A adj. positive (1.2V-37V) ..	2.75	2.49	2.25
23552	+	LM317LZ	TO-92/3	100mA adj. positive (1.2V-37V) ..	.29	.25	.22
23579	+	LM317T*	TO-220/3	1.5A adj. positive (1.2V-37V) ....	.35	.29	.25
23580	+	LM317T	TO-220/3	1.5A adj. positive (1.2V-37V) ....	.49	.45	.39
23667	+	LM323K	TO-3/2	5V, 3A positive	4.75	4.25	3.59
296841	+	LM337LZ	TO-92/3	3-terminal adjustable negative ..	.79	.69	.49
898543	NSC	LM317LZ/NOPB	TO-92/3	Adjustable, 100mA positive .....	.69	.59	.49
23819	+	LM337T*	TO-220/3	1.5A/adj. neg. (-1.2V-37V) .....	.49	.45	.39
23835	+	LM338K	TO-3/2	5A adj. positive (1.2V-32V)	6.95	6.25	5.75
192284	NSC	LM338T	TO-220/3	5A adjustable	1.95	1.65	1.35
838621	NSC	LM338T/NOPB	TO-220/3	5A adjustable positive	2.25	1.75	1.45
900017	NSC	LM340T-5.0	TO-220/3	5V, 1A positive, I-temp	1.29	1.09	.95
23931	+	LM350K	TO-3/2	3A/3 term. adj. pos. (1.2V-33V) ..	5.95	5.49	4.95
23940	+	LM350T	TO-220/3	3A adjustable power .....	.59	.49	.45
276517	MAX	MAX637ACSA	SOIC-8	Preset/adj output CMOS invert switch reg	1.95	1.49	1.25
24467	+	LM723CN*	DIP-14	Voltage regulator (2V-37V) .....	.39	.35	.29
301719	+	LM723H	TO-5/10	2V - 37V, 150mA adj.	4.95	4.49	3.95
107166	NSC	LM2936Z-5.0	TO-92/3	Ultra-low quiescent current 5V	1.95	1.75	1.49
51246	+	7805K	TO-3/2	5V, 1A positive (LM340K-5)	2.49	2.25	1.95
51262	+	7805T*	TO-220/3	5V, 1A positive (LM340T-5) .....	.29	.25	.22
51263	+	7805T	TO-220/3	5V, 1A positive (LM340T-5) .....	.35	.29	.25
924570	ST	L7805ACV	TO-220/3	5V, 1.5A positive .....	.39	.35	.29
1130069	TI	UA7805CKCS	TO-220/3	5V, 1.5A positive .....	.69	.59	.49
924633	ST	L7805CV	TO-220/3	5V, 1.5A positive .....	.45	.35	.29
786138	FSC	LM7805CT	TO-220/3	5V, 1A positive, I-temp .....	.45	.39	.35
902071	NSC	LM7805CT	TO-220/3	5V, 1A positive	1.25	1.15	.95
876125	ON	MC7805BTG	TO-220/3	5V, 1A positive, I-temp .....	.45	.35	.29
876221	ON	MC7805CT	TO-220/3	5V, 1A positive, C-temp .....	.29	.25	.22
876248	ON	MC7805CTG	TO-220/3	5V, 1A positive, C-temp .....	.35	.29	.25
51182	+	78L05*	TO-92/3	5V, 100mA positive .....	.25	.22	.17
51183	+	78L05	TO-92/3	5V, 100mA positive .....	.29	.25	.19
973831	FSC	LM78L05ACZ	TO-92/3	5V, 100mA positive, I-temp .....	.29	.25	.19
192233	+	78M05	TO-220/3	5V, 500mA positive .....	.29	.25	.22
51297	+	7806T	TO-220/3	6V, 1A positive (LM340T-6) .....	.35	.29	.25
51300	+	7808T*	TO-220/3	8V, 1A positive (LM340T-8) .....	.35	.29	.25
876352	ON	MC7809CT	TO-220/3	9V, 2.2A positive, C-temp .....	.39	.35	.29
1958641	FSC	LM7809CT	TO-220/3	9V, 2.2A positive .....	.59	.49	.39
192225	+	78L09ACZ	TO-92/3	9V, 100mA positive .....	.25	.22	.17
51318	+	7812K	TO-3/2	12V, 1A pos. (LM340K-12)	2.75	2.49	2.25
51334	+	7812T*	TO-220/3	12V, 1A pos. (LM340T-12) .....	.29	.25	.22
51335	+	7812T	TO-220/3	12V, 1A pos. (LM340T-12) .....	.35	.29	.25
889305	ST	L7812CV	TO-220/3	12V, 1.5A positive .....	.39	.35	.29
902127	NSC	LM7812CT	TO-220/3	12V, 1A positive .....	.79	.69	.59
51203	+	78L12*	TO-92/3	12V, 100mA positive .....	.25	.22	.17
2125384	NEC	PC7815HF	TO-220/3	15V, 500mA positive	*	.19	.15
51377	+	7815T*	TO-220/3	15V, 1A positive (LM340T-15) ..	.35	.29	.25
51414	+	7824T	TO-220/3	24V, 1A positive (LM340T-24) ..	.35	.29	.25

*10 pcs./ **20 pcs. included in Linear kit, above left

Continued on next page

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HOUSE BRANDS	FACTORY OVERRUN
DOLLAR SALE	

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

Voltage Regulators & IC Sockets

Voltage Regulators (Con't)

*Web Code: TAC

Part No.	*Mfr.	Product No.	Pkg./Pins	Description	1	10	100
51457	♦	7905T*	TO-220/3	-5V, 1A neg. (LM320T-5).....	\$.35	\$.29	\$.25
51422	♦	79L05	TO-92/3	-5V, 100mA negative .....	.29	.25	.22
2132269	♦	7906A	TO-220/3	-6V, 500mA negative .....	.29	.25	.19
51481	♦	7912T*	TO-220/3	-12V, 1A neg. (LM320T-12) .....	.35	.29	.25
51502	♦	7915T*	TO-220/3	-15V, 1A neg. (LM320T-15) .....	.39	.35	.29
316945	MOT	MC34063AP1	DIP-8	1.5 step-up/down invert sw reg ...	.59	.49	.39

*10 pcs. included in Linear kit, pg 13

Low Drop-Out Voltage Regulators

*Web Code: MBT

Part No.	*Mfr.	Product No.	Pkg./Pins	Description	1	10	100
299743	NSC	LM1084IT-ADJ	TO-220/3	5A low dropout adj. pos.	\$2.75	\$2.45	\$2.15
299735	NSC	LM1084IT-3.3	TO-220/3	5A low dropout 3.3V pos.	2.75	2.45	2.15
282757	♦	LT1085CT	TO-220/3	5A low dropout pos. adj. reg. ...	1.75	1.49	1.25
192305	♦	LM1086CT-3.3	TO-220/3	1.5A low dropout pos. (3.3V) ...	1.09	.99	.89
192313	♦	LM1086CT-5.0	TO-220/3	1.5A low dropout pos. (5V)	1.49	1.25	1.09
251782	NSC	LM1117MPX-ADJ	SOT-223/3	800mA low dropout linear .....	.89	.69	.59
242114	♦	LM1117T-3.3	TO-220/3	800mA, 3.3V, LDO .....	.89	.79	.69
242115	NSC	LM1117T-3.3/NOBP	TO-220/3	800mA, 3.3V, LDO	1.25	1.09	.95
2126230	TI	UC2833DW	SOIC-16	2V, 1A prec. LDO reg./controller	3.95	3.49	2.95
897188	NSC	LM2937ET-3.3	TO-220/3	500mA, 3.3V LDO, I-temp	1.55	1.29	1.15
297810	NSC	LM2937ET-5.0	TO-220/3	500mA, 5V LDO	1.55	1.29	1.15
2132285	ST	LF80C	Pentawatt	500mA, 0.45V DOV .....	.49	.35	.25
107182	♦	LM2940CT-5	TO-220/3	5V LDO reg. (max. 45Vin)	1.45	1.19	.89
192495	NSC	LM2940CT-12	TO-220/3	12V LDO reg. (max. 45Vin)	1.49	1.25	1.09
837505	NSC	LM2940T-5.0/NOBP	TO-220/3	1A, 5V LDO, I-temp	1.39	1.19	1.05
121064	♦	LM2941CT	TO-220/5	1A LDO adjustable (45Vin)	1.49	1.29	1.09
1944880	♦	LP2950ACN	TO-92/3	100mA 5V LDO reg. ....	.69	.59	.49
1323397	NSC	LP2950ACZ-3.3/NOBP	TO-92	3.3V μ pwr volt. reg., I-temp .....	.89	.79	.69
266757	♦	LP2950CZ-5.0	TO-92/3	100mA low power LDO .....	.69	.59	.49
121110	♦	LP2951ACP	DIP-8	Adjustable μ power volt-reg. ....	.39	.29	.19
1315492	ON	LP2951CN-3.0	DIP-8	3V, 100mA LP LDO (I-temp) .....	.29	.25	.22
2135671	♦	AS2954-5.0	TO-92/3	5.0V, 250mA LDO	1.95	1.75	1.59
192524	♦	LM3940IT-3.3	TO-220/3	1A LDO for 5V to 3.3V	1.65	1.45	1.25

Simple Switcher Voltage Regulators

*Web Code: VAX

Part No.	*Mfr.	Product No.	Pkg./Pins	Description	1	10
156566	♦	LM2574N-5	DIP-8	5V step-down regulator	\$1.39	\$1.19
192381	NSC	LM2576HVT-5.0	TO-220/5	3A step down V-reg, high Vin range ...	5.75	4.75
192372	NSC	LM2576HVT-ADJ	TO-220/5	3A step-down V-reg, high Vin range ...	5.75	4.75
245569	♦	LM2576T-5.0	TO-220/5	3A step-down voltage regulator	2.75	2.25
120977	♦	LM2576T-ADJ	TO-220/5	3A step-down voltage regulator	1.95	1.75
300821	NSC	LM2586S-ADJ	TO-263/7	3A flyback regulator with shutdown ..	1.95	1.49
300732	NSC	LM2592HVT-3.3	TO-220	2A step down voltage regulator	1.95	1.49
300265	NSC	LM2595S-ADJ	TO-263/5	1A step down voltage regulator	1.25	.95
290394	NSC	LM2599S-ADJ	TO-263/7	3A step down voltage regulator	1.49	1.25

*Power Drivers & Modules Available Online — Enter Web Code REK

*Switching Regulators Available Online — Enter Web Code DEN

PLCC Thru-Hole Sockets

*Web Code: YAH

- Solder tail allows through-hole board patterns in .100" grid
- Thru-hole lead length: .125"
- Accepts JEDEC type "A" plastic leaded chip (0.05" centers)



Part No.	Cross Ref. No.	Pins	Body Height (in.)	1	10	100
71263	G1P428	28	.375	.49	.39	.29
71811	G1P32	32	.375	.49	.39	.29
71618	G1P444	44	.375	.75	.65	.59
72442	G1P452	52	.375	.85	.75	.69
71969	G1P468	68	.375	.89	.79	.75
71977	G1P484	84	.375	.95	.85	.79

* JVP = Jameco ValuePro | MOT = Motorola | NSC = National | ON = ON Semi | ST = ST Micro | TI = Texas Instruments | ♦ Major Brands

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

AMP DIP Low-Profile IC Sockets

*Web Code: QAF

Economy Ladder Style

- Dual wipe
- Housing: glass filled thermoplastic, black
- Contacts: phosphor bronze tin plating



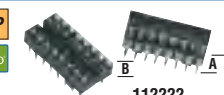
Part No.	Mfr. Part No.	Pos.	Plating	Width (in.)	Order in multiples of 10		
					10	100	500
683091	1-390261-1 ^{<i>R</i>}	6	60μ" tin	0.3	\$.13	\$.10	\$.09
526299	390261-2	8	60μ" tin	0.3	.12	.09	.07
683104	1-390261-2 ^{<i>R</i>}	8	60μ" tin	0.3	.13	.10	.08
526192	390261-3	14	60μ" tin	0.3	.12	.09	.08
683112	1-390261-3 ^{<i>R</i>}	14	60μ" tin	0.3	.13	.10	.09
526205	390261-4	16	60μ" tin	0.3	.17	.11	.09
683121	1-390261-4 ^{<i>R</i>}	16	60μ" tin	0.3	.19	.12	.10
526213	390261-5	18	60μ" tin	0.3	.15	.14	.10
683139	1-390261-5 ^{<i>R</i>}	18	60μ" tin	0.3	.16	.15	.11
526221	390261-6	20	60μ" tin	0.3	.16	.15	.13
683147	1-390261-6 ^{<i>R</i>}	20	60μ" tin	0.3	.20	.18	.16
683163	1-390261-8 ^{<i>R</i>}	24	60μ" tin	0.3	.24	.22	.19
683198	1-390262-1 ^{<i>R</i>}	24	60μ" tin	0.6	.25	.21	.19
526248	390261-9	28	60μ" tin	0.3	.24	.22	.20
683171	1-390261-9 ^{<i>R</i>}	28	60μ" tin	0.3	.25	.23	.21
526256	390262-2	28	60μ" tin	0.6	.22	.19	.17
683201	1-390262-2 ^{<i>R</i>}	28	60μ" tin	0.6	.26	.24	.22
526272	390262-5	40	60μ" tin	0.6	.32	.29	.25
683227	1-390262-5 ^{<i>R</i>}	40	60μ" tin	0.6	.39	.35	.29

Single/Dual Wipe Solder Tail Low-Profile IC Sockets

- Contact current: 1A
- Contact resistance: less than 5m Ω
- Dielectric withstanding voltage: 300V
- Insulation resistance: greater than 1000M Ω
- Thru-hole lead length: .140" (A)
- Body height: .188" (B)

*Web Code: WAP

JAMECO ValuePro



Part No.	*Mfr.	Product No.	Pins	Width (in.)	10	100	1000
112193	JVP	6LPD	6	0.3	.13	.10	.08
51571	JVP	8LPD	8	0.3	.12	.09	.07
112206	JVP	8LPD	8	0.3	.13	.10	.08
37162	JVP	14LP (single wipe)	14	0.3	.12	.09	.08
112214	JVP	14LPD	14	0.3	.13	.10	.09
37372	JVP	16LP (single wipe)	16	0.3	.10	.08	.06
37373	JVP	16LPD	16	0.3	.17	.11	.09
112222	JVP	16LPD	16	0.3	.19	.12	.10
38113	JVP	18LP (single wipe)	18	0.3	.14	.12	.09
689952	♦	ED18DT	18	0.3	.14	.12	.09
112231	JVP	18LPD	18	0.3	.16	.15	.11
38607	JVP	20LP (single wipe)	20	0.3	.11	.09	.07
112248	JVP	20LPD	20	0.3	.16	.15	.13
38608	JVP	20LPD	20	0.3	.17	.16	.14
112256	JVP	22SLPD	22	0.3	.09	.07	.05
39132	JVP	22LPD	22	0.4	.17	.16	.14
39378	JVP	24SLPD	24	0.3	.21	.19	.16
112282	JVP	24SLPD	24	0.3	.22	.20	.17
112264	JVP	24LPD	24	0.6	.23	.19	.17
112266	JVP	24LPD	24	0.6	.25	.21	.19
112299	JVP	28SLPD	28	0.3	.24	.22	.20
112300	JVP	28SLPD	28	0.3	.25	.23	.21
112272	JVP	28LPD	28	0.6	.22	.19	.17
40301	JVP	28LPD	28	0.6	.24	.22	.19
137621	JVP	32SLPD	32	0.3	.19	.15	.12
689979	♦	ED32DT	32	0.6	.21	.19	.17
112301	JVP	32LPD	32	0.6	.29	.25	.22
41110	JVP	40LP (single wipe)	40	0.6	.29	.25	.22
41111	JVP	40LPD	40	0.6	.32	.29	.25
112311	JVP	40LPD	40	0.6	.35	.33	.27
137622	JVP	42LPD	42	0.6	.19	.15	.12
112326	JVP	64LPD	64	0.9	.19	.15	.12

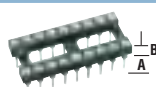
*Hot Swap Controllers Available Online — Enter Web Code JAX



Machine Tooled Solder Tail Low-Profile IC Sockets

- Contact plating: gold • Contact current: 1A
- Contact resistance: less than 5mΩ
- Dielectric withstanding voltage: 300V_{RMS}
- Insulation resistance: greater than 1000MΩ
- Material: beryllium copper or phosphor bronze • Tin-plated leads
- Thru-hole lead length: .177" (A) • Body height: .117" (B)

★ Web Code: GBA



Part No.	Product No.	Pins	Width (in.)	1	10	100
167004	6MLP	6	0.3	.39	.29	.19
51626	8MLP	8	0.3	.49	.45	.29
37197	14MLP	14	0.3	.65	.55	.39
37402	16MLP	16	0.3	.75	.59	.45
65585	18MLP	18	0.3	.89	.75	.55
38623	20MLP	20	0.3	.85	.69	.49
192209	22SMLP	22	0.4	.89	.79	.69
39386	24SMLP	24	0.3	.95	.79	.59
39387	24SMLP	24	0.3	.99	.85	.65
39351	24MLP	24	0.6	1.09	.89	.65
652359	24MLP-GOLD	24	0.6	.99	.79	.55
114412	28SMLP	28	0.3	1.09	.89	.65
40328	28MLP	28	0.6	1.19	.95	.69
40329	28MLP	28	0.6	1.25	.99	.75
105381	32MLP	32	0.6	1.35	1.09	.89
41136	40MLP	40	0.6	1.69	1.39	.95
42059	48MLP	48	0.6	1.69	1.39	.95
200707	64MLP	64	0.9	.79	.59	.39

.100" Single-In-Line Machine Tooled Strip Sockets

- Solder tail or wire wrap

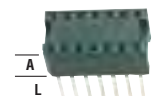


Part No.	Description	Pins	Lead Length (in.)	1	10	100
164822	Straight single row	4	.160	.75	.65	.59
138684	Straight single row	5	.160	.75	.65	.59
2100339	Straight single row	7	.160	.99	.89	.69
102201	Straight single row	10	.160	1.19	.95	.75
2100347	Straight single row	12	.160	.99	.89	.69
2125675	Straight single row	14	.160	1.09	.99	.89
78642	Straight single row	30	.160	1.49	1.29	.95
175920	Straight single row	36	.160	1.75	1.59	1.29
101283	WW2 single row	20	.435 (2)	2.49	2.25	1.95
104054	WW3 single row	30	.575 (3)	2.95	2.59	2.39

2 & 3 Level Wire Wrap IC Sockets

★ Web Code: SAF

- Contact plating/leads: gold (WW) or tin (TWW); dual wipe
- Contact current: 1A • Contact resistance: <5mΩ
- Sleeve material: brass
- Dielectric withstanding voltage: 300V
- Material: beryllium copper or phosphor bronze
- Insulation resistance: greater than 1000MΩ
- Insulator: glass-filled polyester or glass-filled polyphenylene sulfide
- Thru-hole lead length: .438" (L2); .638" (L3) • Body height: .300" (A)



Part No.	•Mfr.	Product No.	Pins	Width (in.)	1	10	100
37234	CA	14WW2	14	0.3	\$2.25	\$1.95	\$1.75
196841	JVP	14TWW3	14	0.3	1.49	1.25	.95
37437	CA	16TWW2	16	0.3	2.95	2.75	2.49
37480	CA	16WW2	16	0.3	2.95	2.75	2.49
75380	CA	20TWW2	20	0.3	3.49	3.25	2.95
38675	CA	20WW2	20	0.3	1.95	1.75	1.65
75416	CA	24TWW2	24	0.6	1.95	1.75	1.25
40353	CA	28WW2	28	0.6	3.95	3.59	3.39
41180	CA	40TWW2	40	0.6	6.95	5.95	4.95

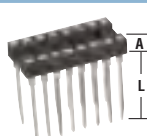
* CA = Circuit Assembly | JDV = JDV Products Inc | JVP = Jameco ValuePro

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

3 Level Machine Tooled Wire Wrap IC Sockets

- Contact plating: gold
- Sleeve material: brass
- Contact res.: <5m • Tin-plated leads
- Material: beryllium copper or phosphor bronze
- Dielectric withstanding voltage: 300V_{RMS}
- Insulation resistance: greater than 1000MΩ
- Body height: .115" (A) • Thru-hole lead length: .586" (L)
- Insulator: glass-filled polyester or glass-filled polyphenylene sulfide

★ Web Code: FAL



Part No.	Cross Ref. No.	Pins	Width (in.)	1	10	100
94474	8MSWW3	8	0.3	\$1.49	\$1.35	\$1.19
62051	14MSWW3	14	0.3	1.75	1.55	1.39
37411	16MSWW3	16	0.3	2.25	1.95	1.75
94482	18MSWW3	18	0.3	2.49	2.25	1.95
38632	20MSWW3	20	0.3	2.49	2.25	1.95
105372	24MSWW3	24	0.3	2.75	2.49	2.25
94491	24MSWW3	24	0.6	2.95	2.75	2.49
200716	28MSWW3	28	0.3	3.25	2.95	2.75
40337	28MSWW3	28	0.6	3.95	3.49	3.25
117058	32MSWW3	32	0.6	1.95	1.49	1.25
94503	40MSWW3	40	0.6	4.95	4.49	3.95

Machine Contact Dual-In-Line Female Sockets

- 0.100" centers • Pin sleeve: tin
- Solder tail contact: .114"L
- Contact clip: gold



Part No.	Cross Ref. No.	Pins	1	10	100
212856	SA101000	10	.95	.85	.75
184613	SA201000	20	.49	.39	.29
212936	SA481000	48	1.25	1.09	.99

Wire Wrap IC Socket I.D. Markers

★ Web Code: YAG

- Material: plastic
- Can easily write location, part number or function
- Quick identification of pin numbers
- Slips onto socket before wrapping



Part No.	•Mfr.	Mfr. Part No.	Pins	Width (in.)	1	10	100
51561	JDV	ID-8-100	8	0.3	\$5.59	\$4.49	\$3.39
37145	JVP	ID-14-100	14	0.3	.69	.59	.45
38586	JDV	ID-20-50	20	0.3	.95	.75	.49
40299	JDV	ID-28-50	28	0.6	.89	.79	.69

SIMM Vertical Sockets

★ Web Code: WAL

- Locking tabs
- Tinned contacts
- Memory module sockets
- Keyed mounting posts



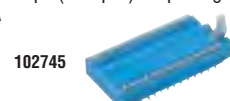
Part No.	•Mfr.	Product No.	Description	1	10	100
100302	JVP	2000-1X30S	Single x 30-pin, vertical	\$1.49	\$1.35	\$1.19

Low Profile ZIF Sockets

★ Web Code: UBX

Series 526

- Body: UL 94V-0 glass-filled polyester thermoplastic
- Beryllium copper alloy spring tempered contacts w/ 200μ" (5.08μm) tin plating
- Contact res.: 10mΩ max. • Contact current: 2A
- Breakdown voltage: 1000VAC min.
- Center pins: .600" (15.24mm) • Zinc alloy cam
- Operating temp.: -67°F to 221°F (-55°C to 105°C)
- Suggested PCB hole size: .035" Dia. (0.89mm)



Part No.	Mfr.	Part No.	Pins	Size (L" x W")	1	5	25
296789		24-526-10	24	1.45 x .75	\$7.95	\$7.25	\$6.75
102745		28-526-10	28	1.64 x .75	8.95	7.95	6.95
102753		40-526-10	40	2.24 x .75	9.95	8.95	7.95

High Temp. Universal ZIF Test Sockets

Series 6554

- Accepts devices on .300" to .600" (7.62mm to 15.24mm) centers
- -10: 100µ" tin over 50µ" nickel; -11: 10µ" gold over 50µ" nickel
- Operating temperature:
 - 10: 221°F (105°C) – tin plating
 - 11: 302°F (150°C) – gold plating
- Socket body: UL 94V-0 glass-filled PPS
- Beryllium copper contact plating
- Stainless steel handle
- Center pins: 0.600"
- Insulation resistance: 1000MΩ
- Contact current: 1A
- Dielectric withstanding voltage: 1000VAC

*Web Code: AAN

295162

Part No.	Mfr. Part No.	Pins	Size (L" x W")	1	5	25
103992	24-6554-10	24	1.8 x 0.9	\$7.75	\$7.25	\$6.49
104003	28-6554-10	28	2.0 x 0.9	8.95	7.95	6.95
104012	32-6554-10	32	2.1 x 0.9	9.95	8.95	7.95
104030	40-6554-10	40	2.5 x 0.9	11.95	10.95	9.95
295233	40-6554-11	40	2.0 x 0.9	17.95	16.95	16.59

SOIC/SOJ to DIP Adapters

*Web Code: YBS

- Board material: 0.062" thick FR-4 w/ 1 oz. copper traces on both sides
- Brass alloy pins with 200µ" (5.08µm) min. tin plating
- Operating temperature: 221°F (105°C) max.
- Suggested PCB hole size: 0.028"Dia. (0.71mm)
- Center pins: 0.300" (7.62mm)

291292

Part No.	Mfr. Part No.	Pins	Size (L" x W")	1	10	100
291208	08-350000-11RC	8	.400 x .46	\$6.95	\$6.29	\$5.69
291292	14-350000-11RC	14	.700 x .45	6.95	6.29	5.69
291515	16-350000-11RC	16	.800 x .45	7.49	6.75	5.59
291980	24-350000-11RC	24	1.20 x .45	7.95	6.95	6.25

Universal SOIC to .600" DIP Adapter

Series 647

- Brass alloy female pin body with 200µ" (5.08µm) tin/lead plating
- Beryllium copper 4-fingered collet contact with 10µ" (0.25µm) gold over nickel plating
- Phosphor bronze alloy male pin with 200µ" (5.08µm) tin/lead plating
- Contact current: 3A
- Suggested PCB hole size: 0.028"Dia.

Part No.	Mfr. Part No.	Pins	Price
295283	44-647-10	44	\$19.95

Transistors

*Web Code: FEN

* Order in multiples of 10									
Part No.	*Mfr.	Product No.	Pkg.	Desc.	V _{ceo}	Min. (h _{FE} @ Ic)	1	10	100
26462	♦	MPSA06	TO-92	NPN	80	100k @ .01A	*.08	\$.08	\$.06
26489	♦	MPSA13*	TO-92	NPN	30	5k @ .01A	*.08	\$.08	\$.07
210593	♦	MPSA14	TO-92	NPN	30	20k @ .10A	*.08	\$.08	\$.06
210681	♦	MPSA18	TO-92	NPN	45	500 @ .001A	*.10	\$.08	\$.08
33021	♦	TIP29A	TO-220	NPN	60	15 @ 1A	.39	.35	.29
33048	♦	TIP31A*	TO-220	NPN	60	10 @ 3A	.35	.29	.25
179354	FSC	TIP31C	TO-220	NPN	100	10 @ 3A	.35	.29	.25
890568	ST	TIP35C	TO-247	NPN	100	25 @ 1.5A	1.29	1.19	1.09
33081	♦	TIP41A	TO-220	NPN	60	15 @ 3A	.39	.35	.29
179371	♦	TIP41C	TO-220	NPN	100	15 @ 3A	.39	.35	.29
178546	♦	MPSA42	TO-92	NPN	30	40 @ .03A	*.15	\$.12	\$.12
1162052	BNS	BDV65A	SOT-93	NPN	80	1k @ 5A	1.95	1.75	1.49
32977	♦	TIP102*	TO-220	NPN	100	1k @ 3A	.45	.39	.35
179240	FSC	TIP102	TO-220	NPN	100	1k @ 3A	.65	.55	.49
1094723	FSC	TIP102	TO-220	NPN	100	1k @ 3A	.69	.59	.49
32993	♦	TIP120*	TO-220	NPN	60	1k @ 3A	.39	.35	.29
32994	♦	TIP120	TO-220	NPN	60	1k @ 3A	.45	.39	.35
179291	FSC	TIP120	TO-220	NPN	60	1k @ 3A	.49	.45	.39
120416	♦	TIP122	TO-220	NPN	100	1k @ 3A	.39	.35	.29
179303	FSC	TIP122	TO-220	NPN	100	1k @ 3A	.45	.39	.35

*10 pcs. in Transistor cabinet kit, pg 17

Transistors (Continued)

*Web Code: FEN

* Order in multiples of 10									
Part No.	*Mfr.	Product No.	Pkg.	Desc.	V _{ceo}	Min. (h _{FE} @ Ic)	1	10	100
260558	NTE	NTE123AP	TO-92	NPN	40	40 @ .001A	\$1.19	\$1.09	\$.99
890445	ST	TIP142	TO-218	NPN	100	1k @ 0.5A	1.19	1.09	.95
2132293	♦	BD158	TO-126	NPN	300	30 @ .05A	.59	.49	.39
254810	♦	BC337	TO-92	NPN	45	100 @ .10A	*.09	\$.07	\$.07
254801	♦	BC547B	TO-92	NPN	45	330 @ .002A	*.07	\$.06	\$.06
254799	♦	BC547C	TO-92	NPN	45	600 @ .002A	*.08	\$.06	\$.06
254781	♦	BC548B	TO-92	NPN	30	110 @ .002A	*.09	\$.07	\$.07
800568	MOT	MPS918	TO-92	NPN	15	20 @ .003A	*.12	\$.09	\$.09
38228	♦	2N2219A	TO-39	NPN	40	100 @ .15A	.49	.45	.39
26446	♦	MPQ2222	DIP-14	NPN	40	100 @ .15A	2.95	2.75	2.49
28628	♦	PN2222*	TO-92	NPN	30	100 @ .15A	*.06	\$.05	\$.05
38236	♦	2N2222A*	TO-18	NPN	40	100 @ .15A	.49	.45	.39
38237	♦	2N2222A	TO-18	NPN	40	100 @ .15A	.55	.49	.45
213938	♦	MMBT2222A	SOT-23	NPN	40	100 @ .15A	*.07	\$.05	\$.05
210673	♦	MPS2222A	TO-92	NPN	40	40 @ .50A	*.08	\$.06	\$.06
2125448	PAN	2SC3526H	TO-92L	NPN	50	20 @ .10A	.49	.39	.29
178511	♦	PN2222A	TO-92	NPN	40	100 @ .15A	*.06	\$.05	\$.05
178512	♦	PN2222A	TO-92	NPN	40	100 @ .15A	*.07	\$.06	\$.06
38295	♦	2N3053*	TO-39	NPN	40	25 @ .15A	.65	.55	.49
38308	♦	2N3055*	TO-3	NPN	60	15 @ 10A	1.09	.99	.85
211406	♦	2N3055A	TO-3	NPN	60	20 @ 4A	1.75	1.55	1.35
211385	♦	TIP3055	TO-218	NPN	60	5 @ .001A	.95	.85	.75
25857	♦	MJE3055T	TO-220	NPN	60	20 @ 4A	.45	.39	.29
194415	♦	2N3439	TO-39	NPN	350	40 @ .02A	.85	.75	.65
209242	♦	2N3771	TO-3	NPN	40	15 @ 15A	2.19	1.95	1.75
38359	♦	2N3904*	TO-92	NPN	40	100 @ .01A	*.05	\$.03	\$.03
38360	♦	2N3904	TO-92	NPN	40	100 @ .01A	*.05	\$.03	\$.03
178597	FSC	2N3904	TO-92	NPN	40	100 @ .01A	*.06	\$.035	\$.035
783421	FSC	2N3904BU	TO-92	NPN	40	100 @ .01A	*.07	\$.04	\$.04
94967	♦	MMBT3904	SOT-23	NPN	40	100 @ .01A	*.07	\$.05	\$.05
38421	♦	2N4401*	TO-92	NPN	40	100 @ .15A	*.06	\$.05	\$.05
783498	FSC	2N4401TA	TO-92	NPN	40	20 @ .1mA	*.06	\$.05	\$.05
2125608	MOT	SPS4942(9568)	TO-92	NPN	30	60 @ .5A	*.05	\$.04	\$.04
1201380	FSC	PN4953	TO-92	NPN	30	150 @ .01A	*.04	\$.03	\$.03
140373	♦	2N5179	TO-72	NPN	12	25 @ .003A	1.49	1.35	1.19
1945081	FSC	2N5306	TO-92	NPN	25	7000 @ .002A	*.19	\$.15	\$.15
924300	ST	2N6284	TO-3/2	NPN	100	750 @ 10A	3.29	3.15	2.89
194618	♦	2N6547	TO-3	NPN	400	12 @ 5A	3.95	3.49	3.25
194626	♦	2N6678	TO-3	NPN	400	8 @ 15A	5.95	4.95	4.25
33030	♦	TIP30A	TO-220	PNP	60	15 @ 1A	.45	.39	.35
33064	♦	TIP32A*	TO-220	PNP	60	10 @ 3A	.39	.35	.25
181841	♦	TIP32C	TO-220	PNP	100	10 @ 3A	.35	.29	.25
890592	ST	TIP36C	TO-218	PNP	100	25 @ 1.5A	1.15	1.05	.95
33101	♦	TIP42A	TO-220	PNP	60	15 @ 3A	.45	.39	.35
139580	♦	TIP42C	TO-220	PNP	100	15 @ 3A	.45	.39	.35
2135355	♦	BDV64	SOT-93	PNP	60	1k @ 5A	.75	.55	.35
179258	♦	TIP107	TO-220	PNP	100	1k @ 3A	.45	.39	.35
288526	♦	TIP115	TO-220	PNP	60	1k @ 1A	.29	.25	.22
288542	♦	TIP117	TO-220	PNP	100	1k @ 1A	.25	.15	.12
33013	♦	TIP125	TO-220	PNP	60	1k @ 3A	.39	.35	.29
179320	♦	TIP127	TO-220	PNP	100	1k @ 3A	.35	.29	.25
890488	ST	TIP147	TO-218	PNP	100	1k @ 5A	1.49	1.39	1.25
260611	NTE	NTE159	TO-92	PNP	80	50 @ .01A	1.35	1.19	.95
2125986	♦	BC327	TO-92	PNP	45	100 @ .10A	*.15	\$.12	\$.12
1215456	MEC	MH810	TO-220	PNP	30	240 @ .5A	.49	.39	.29
194378	♦	2N2905A	TO-39/3	PNP	60	100 @ .15A	.59	.49	.45
924297	ST	2N2907	TO-18	PNP	40	75 @ .01A	.65	.55	.49
26454	♦	MPQ2907	DIP-14	PNP	40	100 @ .15A	1.25	.95	.75
28644	♦	PN2907*	TO-92	PNP	40	100 @ .15A	*.07	\$.05	\$.05

*10 pcs./**100 pcs. in Transistor cabinet kit, pg 17

* BNS = Bourns | FSC = Fairchild Semi | MEC = Micro Electronics | MOT = Motorola | NTE = NTE Elec. | PAN = Panasonic | ST = ST Micro | ♦ Major Brands

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.



JAMECO ValuePro



MOTOROLA

Panasonic®



Transistors (Continued)

★ Web Code: FEN

Part No.	Mfr.	Product No.	Pkg.	Desc.	V _{CE0}	Min. (h _{FE} @ I _C)	* Order in multiples of 10		
							1	10	100
211342	♦	MPS2907A	TO-92	PNP	60	100 @ .15A	.....	\$ .10	\$.08
178520	♦	PN2907A	TO-92	PNP	60	100 @ .15A	.....	.05	.04
38279	♦	2N2907A*	TO-18	PNP	60	100 @ .15A	.....	.49	.39
211502	♦	MJ2955	TO-3	PNP	60	20 @ 4A	.....	1.29	1.19
25831	♦	MJE2955T	TO-220	PNP	60	20 @ 4A	.....	.49	.39
38375	♦	2N3906**	TO-92	PNP	40	100 @ .01A	.....	.05	.03
178618	FSC	2N3906	TO-92	PNP	40	100 @ .01A	.....	.06	.035
38447	♦	2N4403*	TO-92	PNP	40	100 @ .15A	.....	.06	.05
210649	♦	2N5401	TO-92	PNP	150	60 @ .01A	.....	.13	.11
253438	♦	2N5884	TO-3	PNP	80	4 @ 25A	.....	3.25	2.75
194571	♦	2N6042	TO-220	PNP	100	1k @ 3A	.....	.29	.22
194597	♦	2N6052	TO-3	PNP	100	750 @ 6A	.....	1.49	.95
261121	NTE	NTE6410	TO-92	PNP	30	—	.....	4.95	4.59
2095411	♦	EPX-002P	Transistor mtg. pads TO-92/98/18/72				.....	.....	.08

*10 pcs./**100 pcs. in Transistor cabinet kit, below

Transistor Assortment Cabinet Kit

★ Web Code: CKS

Includes: 20 drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 153 and 30 adhesive labels for drawers to identify parts in kit

10 each: 2N2222A, 2N2907A, 2N3053, 2N3055, 2N4401, 2N4403, 2N5951, 2N7000, MJE3055T, MPF102, MPSA06, MPSA13, TIP31A, TIP32A, TIP102, TIP120

100 each: 2N3904, 2N3906, PN2222, PN2907

Part No.	Description	Wt. (lbs.)	1	5
82595	560 pcs. (20 types) NPN, PNP transistor kit	5.1	\$69.95	\$59.95
130374	Refill for 82595 (560 pcs.)	0.4	54.95	49.95

J-FETs

Please Note: Manufacturer may vary

★ Web Code: JAD

Part No.	Product No.	Pkg.	Channel	BV _{GS} @ I _g (μA)	I _{SS} (mA) @ V _{DS}	Order in multiples of 10		
						10	100	1000
26403	MPF102*	TO-92	N	-25 @ -10	2 @ 15	.....	\$ .19	\$.15
210622	2N3819	TO-92	N	-25 @ -1	20 @ 15	.....	.10	.08
253948	2N5457	TO-92	N	-25 @ -10	1 @ 15	.....	.12	.10
253921	2N5458	TO-92	N	-25 @ -10	2 @ 15	.....	.12	.10
38527	2N5951*	TO-92	N	-30 @ -1	7 @ 15	.....	.10	.08
253913	2N5460	TO-92	P	40 @ 10	-1 @ -15	.....	.13	.11

*10 pcs. in Transistor cabinet kit, above

Hexfet Power MOSFETs

★ Web Code: HDU

Part No.	Mfr.	Part No.	Pkg.	Channel	BV _{DS}	Min. On-St. DS Current	* Order in multiples of 10		
							1	10	100
1563147	IRF	44NPBF	TO-220AB	N	55	49A	.....	\$1.35	\$1.15
1560051	IRF	540NPBF	TO-220AB	N	100	33A	.....	1.45	1.15
1563690	IRL	M5203TRPBF	Micro-3	P	-30	-3A	.....	.09	.07
1559965	IRF	5305PBF	TO-220AB	P	-55	-31A	.....	1.25	1.09

N-Channel & P-Channel MOSFETs

★ Web Code: GCJ

Part No.	Mfr.	Product No.	Pkg.	Channel	BV _{DS}	Min. On-St. DS Current	* Order in multiples of 10		
							1	10	100
669871	♦	IRFZ24N	TO-220AB	N	55	17A	.....	\$ .89	\$.79
669927	♦	IRFBG30	TO-220AB	N	1000	3.1A	.....	1.69	1.45
669935	♦	IRFZ34N	TO-220AB	N	55	26A	.....	1.09	.89
669943	♦	IRLZ34N	TO-220AB	N	55	30A	.....	1.09	.89
669951	♦	IRFZ44N	TO-220AB	N	55	49A	.....	1.25	1.05
669978	♦	IRFZ46N	TO-220AB	N	55	53A	.....	1.29	.99
669986	♦	IRFZ48N	TO-220AB	N	55	64A	.....	1.39	1.15
256031	♦	BS170	TO-92	N	60	0.5A (max.)	.....	.15	.12
1217519	FSC	BS170	TO-92	N	60	0.5A (max.)	.....	.19	.15
670098	♦	IRFP250N	TO-247AC	N	200	30A	.....	1.95	1.49
670101	♦	IRFP260N	TO-247	N	200	50A	.....	3.49	2.55
871017	FSC	FDN337N	SuperSOT-3	N	30	10A	.....	.29	.19
670135	♦	IRFP450	TO-247	N	500	14A	.....	2.49	2.25
670143	♦	IRFP460	TO-247	N	500	20A	.....	2.95	2.75
209234	♦	IRF510	TO-220	N	100	5.6A	.....	.79	.69
209226	♦	IRF520	TO-220	N	100	10A	.....	.89	.79
209058	♦	IRL520	TO-220	N	100	9.2A	.....	.89	.79
210500	♦	IRF530	TO-220	N	100	14A	.....	.79	.69
670151	♦	IRF530N	TO-220AB	N	100	17A	.....	1.19	.99
670160	♦	IRL530N	TO-220AB	N	100	17A	.....	.95	.85
210518	♦	IRF540	TO-220	N	100	27A	.....	.89	.79
670194	♦	IRL540N	TO-220AB	N	100	30A	.....	1.39	1.09
210526	♦	IRF620	TO-220	N	200	6.0A	.....	.75	.65
210534	♦	IRF630	TO-220	N	200	9.0A	.....	.59	.49
210542	♦	IRF640	TO-220	N	200	18A	.....	1.09	.99
670231	♦	IRF644	TO-220AB	N	250	14A	.....	.95	.85
210551	♦	IRF730	TO-220	N	400	5.5A	.....	.79	.59
210569	♦	IRF740	TO-220	N	400	10A	.....	.99	.89
210577	♦	IRF820	TO-220	N	500	4.0A	.....	.89	.79
210585	♦	IRF830	TO-220	N	500	4.5A	.....	.79	.69
184719	♦	IRF840	TO-220	N	500	8.0A	.....	.85	.75
787798	FSC	RFP12N10L	TO-220AB	N	100	12A	.....	.75	.65
670282	♦	IRF1405	TO-220AB	N	55	169A	.....	2.49	2.09
279460	♦	VN2222LL	TO-92	N	60	0.75A	.....	.35	.29
874875	FSC	NDT3055L	SOT-223	N	60	10A	.....	.59	.49
618089	♦	IRF3205	TO-220	N	55	110A	.....	1.75	1.45
670354	♦	IRF3415	TO-220AB	N	150	43A	.....	1.95	1.75
255038	♦	SI4420DY	SOIC-8	N	30	30A	.....	.49	.39
785590	FSC	FQP50N06	TO-220	N	60	—	.....	.99	.89
875051	FSC	RFP50N06	TO-220AB	N	60	50A	.....	1.29	1.15
119423	♦	2N7000	TO-92	N	60	0.3A	.....	.07	.05
178669	FSC	2N7000*	TO-92	N	60	0.2A	.....	.08	.06
783594	FSC	2N7000	TO-92	N	60	0.75A	.....	.09	.07
140169	♦	2N7002	SOT-23	N	60	0.5A	.....	.09	.07
670397	♦	IRF7401	SOIC-8	N	20	10A	.....	.29	.25
256057	♦	BS250	TO-92	P	-45	0.25A (max.)	.....	.75	.65
1944901	♦	ZVP3306A	TO-92	P	-60	-0.4A	.....	.55	.45
870971	FSC	FDC640P	SuperSOT-6	P	-20	-20A	.....	.12	.09
670442	♦	IRF4905	TO-220AB	P	-55	-74A	.....	1.85	1.49
1559851	INR	IRF4905PBF	TO-220AB	P	-55	-74A	.....	1.95	1.59
670477	♦	IRF5210	TO-220AB	P	-100	-40A	.....	2.49	1.95
670485	♦	IRF5305	TO-220AB	P	-55	-31A	.....	1.09	.95
670581	♦	IRF9234N	TO-220AB	P	-55	-1.8A	.....	1.09	.99
670629	♦	IRF9520	TO-220AB	P	-100	6A	.....	1.19	1.09
670741	♦	IRF9530	TO-220AB	P	-100	-12A	.....	1.09	.95
670637	♦	IRF9530N	TO-220AB	P	-100	-14A	.....	1.25	1.05
670645	♦	IRF9540N	TO-220AB	P	-100	-23A	.....	1.49	1.19
670653	♦	IRF9640	TO-220AB	P	-200	-11A	.....	1.15	.95

*10 pcs. in Transistor cabinet kit, above left † DMOS FET

* FSC = Fairchild Semiconductor | INR = International Rectifier | NTE = NTE Electronics | ♦ Major Brands

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

4 LEVELS OF SAVINGS			
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

Zener Diodes

*Web Code: LAF

* Order in multiples of 10						
Part No.	*Mfr.	Product No.	Pkg.	V _{Znom}	Pwr Dissipation	1 10 100
36290	♦	1N751A	DO-35	5.1V	0.5W	* .07 .05
178773	VSH	1N4732A	DO-41	4.7V	1W	* .09 .05
36097	♦	1N4733A*	DO-41	5.1V	1W	* .06 .05
36118	♦	1N4734A	DO-41	5.6V	1W	* .06 .05
36126	♦	1N4735A	DO-41	6.2V	1W	* .06 .05
178837	♦	1N4739A	DO-41	9.1V	1W	* .06 .05
36169	♦	1N4742A*	DO-41	12V	1W	* .05 .04
36185	♦	1N4744A	DO-41	15V	1W	* .07 .05
782911	FSC	1N4748ATR	DO-41	22V	1W	* .04 .02
782922	FSC	1N4749ATR	DO-41	24V	1W	* .03 .02
743488	FSC	1N5226B	DO-35	3.3V	0.5W	* .05 .03
179039	♦	1N5230B	DO-35	4.7V	0.5W	* .07 .05
179047	♦	1N5231B	DO-35	5.1V	0.5W	* .09 .07
743541	♦	1N5237B	DO-35	8.2V	0.5W	* .04 .02
804818	ON	1N5352BG	Surmetic-40	15V	5W	.29 .25 .19
804914	ON	1N5359BG	Surmetic-40	24V	5W	.35 .29 .22

*10 pcs. in Diode/Rectifier cabinet kit, below right

Diodes

*Web Code: PAK

* Order in multiples of 10					
Part No.	*Mfr.	Product No.	Pkg.	Description	1 10 100
1559164	INR	HFA08TB60PBF \mathcal{R}	TO-220AC	600VBR, 8A (Ultrafast)	\$1.75 \$1.49 \$1.25
915323	NXP	BAS40-04T/R \mathcal{R}	SOT-23	40Vr, 120mA (Schottky)	* .04 .02
35941	♦	1N270*	DO-7	80PRV (Germanium) .....	.99 .89 .79
313402	♦	MMBD914	SOT-23	100V _{RRM} , 0.2A (Switching)	* .03 .015
312101	♦	MBR1100	DO-41	100PRV, 1.0A (Schottky) .....	.25 .22 .19
743285	FSC	1N4148 \mathcal{R}	DO-35	75PRV, 0.01A (Switching)	* .06 .03
36038	♦	1N4148* \mathcal{R}	DO-35	75PRV, 0.01A (Switching)	* .05 .02
151247	♦	1N4148T	DO-35	75PRV, 0.01A (tape/reel)	* .06 .03
179215	VSH	1N4148	DO-35	100PRV (Switching)	* .05 .02
743710	ST	1N6263 \mathcal{R}	DO-35	60V _{RRM} , 50mA (Schottky)	* .12 .10
1558946	INR	80SQ045 \mathcal{R}	DO-204	40V _{RRM} , 8A (Schottky)	1.39 1.29 1.09

*10 pcs./**100 pcs. in Diode/Rectifier cabinet kit, right

Small Signal Diodes

*Web Code: JDQ

					Order in multiples of 10		
Part No.	*Mfr.	Product No.	Pkg.	Description	10	100	1000
36311	◆	1N914**	DO-35	75PRV, 0.01A	\$.05	\$.02	\$.015
179207	VSH	1N914	DO-35	100PRV .....	.05	.03	.02
655269	◆	1N914A	DO-35	100VRRM, 0.2A .....	.05	.03	.02

**100 pcs. in Diode/Rectifier cabinet kit, right

*Transient Voltage Suppressors Available Online — Enter Web Code QBQ

Triacs

*Web Code: PAE

Part No.	*Mfr.	Product No.	Pkg.	Rating	1	10	100
160098	◆	HT-32	DO-35	27.37 V _{BO} , 2A.....	\$.35	\$.29	\$.25
31819	◆	SC146B	TO-220	200 V _{DRM} , 10A (2N6342)	1.75	1.49	1.25
31827	◆	SC146M	TO-220	600 V _{DRM} , 10A (2N6344)	2.25	1.95	1.75
1165690	BNS	TIC201M	TO-220	600 V _{DRM} , 2.5A .....	.49	.39	.25
160207	TEC	Q4008L4	TO-220AB	400 V _{DRM} , 8A.....	1.19	1.05	.95
220492	TEC	Q4008R4	TO-220AB	400 V _{DRM} , 8A	1.35	1.25	1.09
139336	TEC	Q4015L5	TO-220AB	400 V _{DRM} , 15A	1.55	1.39	1.25
160215	TEC	Q6008L5	TO-220AB	600 V _{DRM} , 8A	1.69	1.55	1.39
160231	TEC	Q6015L5	TO-220AB	600 V _{DRM} , 15A	1.95	1.75	1.49
220505	TEC	Q6025R6	TO-220AB	600 V _{DRM} , 25A	2.19	2.05	1.89
220521	TEC	Q6035P5	TO-3	600 V _{DRM} , 35A	8.95	7.95	6.95
140425	◆	2N6071A	TO-225AA	200 V _{DRM} , 4A .....	.59	.55	.45

SanRex® Fast-On Package Triac

*Web Code: PCH

Part No.	Mfr.	Part No.†	Pkg.	Rating (X _{DRM} , I _{T(RMS)})	1 10 100
658275	TG	35F60	Fast-On	Isolated 35A, 600V	\$8.95 \$7.95 \$6.95

† For cross-references to Littelfuse, ST, and ON Semi products refer to datasheets @ Jameco.com.

Rectifiers

*Web Code: LBD

					* Order in multiples of 10			
Part No.	*Mfr.	Product No.	Pkg.	Rating	1	10	100	1000
177754	TAT	T6A05L	T6L	50 PIV, 6A	\$.39	\$.35	\$.29	\$.25
177762	TAT	T6A10L	T6L	100 PIV, 6A .....	.49	.45	.39	.35
177818	TAT	T6A100L	T6L	1000 PIV, 6A .....	.69	.59	.49	.45
2126011	DDI	SR506-T	DO-201AD	60 PRV, 5A (Schottky)	.29	.25	.22	.15
1645097	GI	1N645-1	DO-35	225 PRV, .15A	* .05	.04	.03	
35924	♦	1N1188	DO-5	400 PRV, 35A	4.25	3.75	3.35	3.15
618097	♦	MBR2535CT	TO-220	35 VRPM, 30A .....	.69	.59	.49	.39
35975	♦	1N4001*	DO-41	50 PRV, 1A	* .05	.02	.015	
76961	♦	1N4002	DO-41	100 PRV, 1A	* .05	.02	.015	
76970	♦	1N4003	DO-41	200 PRV, 1A	* .05	.02	.015	
35991	♦	1N4004**	DO-41	400 PRV, 1A	* .05	.02	.015	
274811	SGS	HYT11-600	DO-41	1000V, 1A .....	.49	.45	.39	.35
879094	ON	MRA4004T3	SMA	400 @ 1A	* .05	.04	.03	
76988	♦	1N4005	DO-41	600 PRV, 1A	* .05	.03	.02	
76996	♦	1N4006	DO-41	800 PRV, 1A	* .05	.03	.02	
36011	♦	1N4007*	DO-41	1000 PRV, 1A	* .05	.02	.015	
36012	♦	1N4007 \mathcal{R}	DO-41	1000 PRV, 1A	* .05	.02	.015	
1537951	DDI	1N4007-T	DO-41	1000 V _{RRM} , 1A	* .06	.05	.03	
36249	♦	1N5401	DO-201AD	100 PIV, 3A	* .12	.10	.08	
77083	♦	1N5402	DO-27A	200 PRV, 3A	* .14	.12	.10	
36265	♦	1N5404*	DO-27A	400 PRV, 3A	* .12	.10	.08	
36273	♦	1N5408*	DO-27A	1000 PRV, 3A	* .12	.10	.08	
36274	♦	1N5408 \mathcal{R}	DO-27A	1000 PRV, 3A	* .13	.11	.09	
177949	♦	1N5817	DO-204AL	20 PIV, 1A	* .14	.12	.10	
177957	♦	1N5818	DO-204AL	30 PIV, 1A	* .14	.12	.10	
177965	♦	1N5819	DO-204AL	40 PIV, 1A	* .14	.12	.10	
177973	♦	1N5820	DO-201AD	20 PIV, 3A	* .09	.05	.04	
177981	♦	1N5821	DO-201AD	30 PIV, 3A	* .16	.14	.12	
177990	♦	1N5822	DO-201AD	40 PIV, 3A	* .16	.14	.12	
2138804	♦	1T2	DO-41	100 V _{RRM} , 1A	* .06	.04	.025	
2126310	ST	BYW80-50	TO-220AC	50 PIV, 8A .....	.39	.29	.25	.19

*10 pcs./**100 pcs. in Diode/Rectifier cabinet kit, below

Diode/Rectifier Assortment Cabinet Kit

*Web Code: CKS

420 pcs. (15 types) Diodes, Zener Diodes, Switching and Silicon Rectifiers

Includes: 20 drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 153 and 30 adhesive labels for drawers to identify parts in kit.

10 each: 1N270, 1N751A, 1N4001, 1N4007, 1N4150, 1N4733A, 1N4735A, 1N4742A, 1N5404, 1N5408, C106B1, KBP04M

100 each: 1N914, 1N4004, 1N4148

Part No.	Description	Wt. (lbs.)	1 5
82587	420 pcs. (15 types) diode kit	5.0	\$44.95 \$39.95
130366	Refill for 82587 (420 pcs.)	0.3	29.95 26.95

Bridge Rectifiers

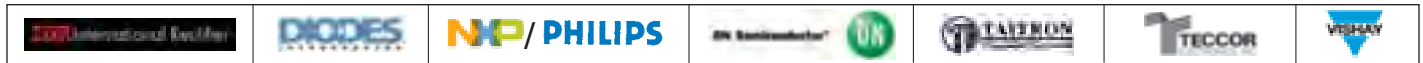
*Web Code: MBD

Part No.	*Mfr.	Product No.	Pkg.†	Rating	1 10 100
178001	♦	DF005M	DF	50 VRRM, 1A	\$.29 \$.25 \$.22
103000	♦	DF01M	DF	100 VRRM, 1A	.29 .25 .22
103042	♦	DF02M	DF	200 VRRM, 1A	.29 .25 .22
102971	♦	DF04M	DF	400 VRRM, 1A	.35 .29 .25
103034	♦	DF06M	DF	600 VRRM, 1A	.35 .29 .25
103026	♦	DF10M	DF	1000 VRRM, 1A	.35 .29 .25
145429	♦	KBP02M	KBP	200 VRRM, 1.5A	.29 .22 .15
119562	♦	KBP04M*	KBP	400 VRRM, 1.5A	.45 .35 .29
103018	♦	W02G	WOG	200 VRRM, 1.5A	.35 .29 .25
102980	♦	W04G	WOG	400 VRRM, 1.5A	.35 .29 .25
179469	♦	W08G	WOG	800 VRRM, 1.5A	.35 .29 .25
279515	♦	W10G	WOG	1000 VRRM, 1.5A	.39 .35 .29

† DF — plastic case *10 pcs. in Diode/Rectifier cabinet kit, above

* BNS = Bourns | FSC = Fairchild | DDI = Diodes Inc. | GI = Gen. Instru. | INR = Int. Rec. | NXP = NXP/Philips | ON = ON Semi | SGS = SGS Thomson | ST = ST Micro | TAT = Taitron | TEC = Teccor | VSH = Vishay

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.



Bridge Rectifiers (Continued)

*Web Code: MBD

Part No.	Mfr.	Product No.	Pkg.	Rating	1	10	100
178132	+	W01M	W0M	100 V _{RRM} , 1.5A	\$.25	\$.22	\$.19
178141	+	W02M	W0M	200 V _{RRM} , 1.5A	.29	.25	.22
178183	TAT	BR805D	BR8D	50 PIV, 2A	.49	.45	.39
678137	+	2KBP04M	KBP	400 V _{RRM} , 2A	.49	.39	.35
253260	+	2KBP06M	KBP	600 V _{RRM} , 2A	.45	.35	.29
253286	+	2KBP10M	KBP	1000 V _{RRM} , 2A	.49	.39	.35
1541466	DDI	RS405L	RS-4L	600 V _{RRM} , 4A	.89	.79	.69
1545416	+	KBU8B	KBU	100 V _{RRM} , 8A	1.09	.99	.89
2138871	+	GBU4J	GBU	600 V _{RRM} , 4A	.49	.45	.35
2126133	+	SBU8J	SBU	600 V _{RRM} , 8A	1.49	1.25	1.09
299874	+	GBPC1206	GBPC (screw)	600 V _{RRM} , 12A	1.95	1.75	1.49
299866	+	GBPC1206W	GBPC-W (wire)	600 V _{RRM} , 12A	1.49	1.25	.95
2132242	+	GBPC1208W	GBPC-W (wire)	800 V _{RRM} , 12A	1.49	1.25	.95
179477	+	GBPC25-01	GBPC	100 V _{RRM} , 25A	2.25	1.95	1.49
179485	+	GBPC25-02	GBPC	200 V _{RRM} , 25A	2.25	1.95	1.75
178280	+	MB254	MB35	400 V _{RRM} , 25A	2.75	2.49	2.25
178431	+	MB358	MB35	800 V _{RRM} , 35A	2.95	2.75	2.49
25574	+	MDA990-3	179-01	200 PIV, 30A	3.75	3.49	3.25
25591	+	MDA990-6	179-01	600 PIV, 30A	3.95	3.75	3.49
178503	TAT	TB3510	TB35	1000 PIV, 35A	3.49	3.25	2.95

† DF/KBP/WOG/WOM/179-01 – plastic case; GBPC/TB35 – plastic case, metal base; MB35 – metal case

Silicon Controlled Rectifiers (SCRs)

*Web Code: BAB

Part No.	Mfr.	Product No.	Pkg.	Rating	1	10	100
14859	+	C38M	TO-65	600 PRV, 35A (2N3899)	\$6.95	\$6.25	\$5.49
14736	+	C106B1*	TO-202	200 PRV, 4A (2N6239)†	.69	.59	.49
14752	+	C122B	TO-220	200 PRV, 8A	1.09	.99	.89
14761	+	C122M	TO-220	600 PRV, 8A	1.35	1.25	1.05
160119	+	T106D1	TO-202AB	400 PRV, 4A	.59	.49	.45
119802	+	2N5060	TO-92	25 PRV, 0.8A	.29	.25	.19
211422	+	2N5061	TO-92	60 PRV, 0.8A	*	.19	.15
2129801	TEC	S0512R	TO-220AB	50 V _{DRM} , 0.2A	.39	.25	.19
160135	TEC	S6025L	TO-220AB	600 V _{DRM} , 25A	1.75	1.59	1.45
140417	+	2N6507	TO-220AB	400 PRV, 25A	1.09	.89	.69
885654	ON	2N6509	TO-220AB	800 V _{DRM} , 25A	1.29	1.15	.95

† Isolated * 10 pcs. in Diode/Rectifier cabinet kit, pg 18

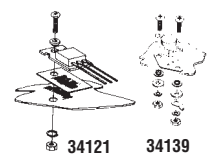
Heat Sink Mounting Kits

*Web Code: JAB

• TO-3 and TO-220 heat sink insulator assemblies

34121/34139: 10 kits per pack

Part No.	Type	Description	1	10	100
34121	TO-220	5 pcs per kit	\$3.95	\$3.59	\$3.25
34139	TO-3	12 pcs per kit	3.95	3.59	3.25
2145060	TO-220	Glass-filled insulator	*	.12	.10



For Heatsink Compound, see page 151

Heat Sinks

*Web Code: JAB

- Material: black anodized aluminum (except for P/N 107297 – light weight aluminum)
- P/N 42622 can be mounted vertically with solderable mounting tabs

NEW
MARKED IN PINK

Part No.	Mfr.	Product No.	Fig.	Type	Holes	Size (L" x W" x H")	1	10	100
2150942	AVD	9000000958	1	CPU	0	1.78 x 1.19 x 0.65	\$1.39	\$1.29	\$1.15
2077335	AVD	501200B00	2	DIP-14/16	0	0.73 x 0.25 x 0.19	.49	.45	.39
2150934	JVP	205-00036-001	2	DIP-14/16	0	1.18 x 0.64 x 0.65	.89	.79	.69
2155031	AVD	THM13103	3	TO-3	2	1.60 x 1.28 x 0.50	.99	.89	.79
151547	JVP	635-125B2	4	TO-3	4	1.83 x 1.40 x 1.25	1.59	1.45	1.29
189835	AVD	501303B00000G	4	TO-3	4	1.90 x 1.40 x 0.50	.89	.79	.69
16513	JVP	DUDE4	5	TO-3	4	4.75 x 1.50 x 1.25	3.75	3.25	2.75
2145086	AVD	322605B00000G	6	TO-5	1	0.75 x 0.75 x 0.236	.99	.89	.79
326757	JVP	529801B02500G	7	TO-218	3	1.64 x 1.00 x 1.50	1.39	1.25	1.05
891464	AVD	593002B03400G	5	TO-220	1	1.16 x 1.00 x 0.49	.59	.49	.45
326693	JVP	531002B09200G	7	TO-220	2	1.38 x 0.50 x 1.00	.99	.89	.79
326713	JVP	531102B02500	7	TO-220	3	1.38 x 0.50 x 1.50	.99	.89	.79
2155022	JVP	BK-T220-0082	8	TO-220	1	1.75 x 0.70 x 0.37	1.59	1.45	1.29
2155014	AVD	507002B00000G	9	TO-220	1	1.75 x 0.70 x 0.37	.49	.45	.39
326765	JVP	531302B02500G	7	TO-220/202	3	2.50 x 1.38 x 0.50	1.09	.99	.89
2150900	AVD	532702B02500G	7	TO-220	1	2.00 x 1.65 x 1.00	1.39	1.29	1.15
696626	AVD	530002B02500G	7	TO-220	1	2.52 x 1.65 x 1.00	2.25	1.85	1.49
696714	AVD	577002B00000G	10	TO-220	1	0.52 x 0.25 x 0.75	.29	.25	.22
158051	AVD	577102B00000G	10	TO-220	1	0.52 x 0.36 x 0.75	.29	.25	.22
1115643	AVD	577202B00000G	10	TO-220	1	0.52 x 0.50 x 0.75	.35	.29	.25
326596	JVP	507302B00000	10	TO-220	1	0.75 x 0.75 x 0.38	.29	.25	.17
70658	JVP	THM6073	10	TO-220	1	0.75 x 0.75 x 0.38	.35	.29	.19
129242	JVP	THM6106	10	TO-220	1	1.18 x 1.00 x 0.50	.65	.55	.45
70915	JVP	THM6106	10	TO-220	2	1.18 x 1.00 x 0.50	.69	.59	.49
696722	AVD	581002B02500G	11	TO-220	1	0.64 x 0.64 x 1.00	1.59	1.45	1.29
40504	WKF	291-H-36AB	12	TO-220	1	1.00 x 0.36 x 0.86	.39	.35	.29
1115133	AVD	574402B03200G	13	TO-220	1	0.75 x 0.87 x 0.40	.59	.49	.45
107297	JVP	PSC2-U (cup-style)	13	TO-220	0	1.00 x 0.42 x 0.80	.49	.45	.35
42622	AVD	563002B00000G	14	TO-220	1	1.18 x 1.00 x 0.50	.59	.49	.45
1115310	AVD	576802B03100G	15	TO-220	0	0.75 x 0.50 x 0.52	.35	.25	.22
2155348	AVD	THM6038	16	TO-220	0	1.18 x 1.00 x 0.50	.35	.29	.25

* AVD = Aavid Thermalloy | DDI = Diodes Inc. | JVP = Jameco ValuePro | ON = ON Semi | TAT = Taitron | TEC = Teccor | WKF = Wakefield | + Major Brands

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

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Optoisolators

*Web Code: CAG

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
40985	♦	4N25	DIP-6	NPN phototransistor output	\$.25	\$.22	\$.19
41005	♦	4N26	DIP-6	NPN phototransistor output	.29	.25	.22
41013	♦	4N28	DIP-6	NPN phototransistor output	.29	.25	.22
41021	♦	4N32	DIP-6	NPN photodarlington output	.29	.25	.22
41030	♦	4N33	DIP-6	NPN photodarlington output	.25	.22	.19
41056	♦	4N35	DIP-6	NPN phototransistor output	.29	.25	.22
1872628	OPT	OPB606A	DIP-4	NPN phototransistor	1.39	1.29	1.19
1628828	IFT	ILQ74	DIP-16	Quad-channel phototransistor	2.09	1.89	1.69
320653	♦	PS2501-1	DIP-4	Single NPN phototransistor output	.35	.29	.25
320661	♦	PS2501-2	DIP-8	Dual NPN phototransistor output	1.19	1.09	.95
160338	♦	PS2501-4	DIP-16	Quad NPN phototransistor output	1.65	1.39	1.19
320688	♦	PS2502-1	DIP-4	Darlington photocoupler	.65	.55	.49
320696	♦	PS2502-2	DIP-8	Dual NPN photodarlington output	1.95	1.75	1.49
160362	♦	PS2502-4	DIP-16	Quad NPN photodarlington output	2.49	2.25	1.95
320717	♦	PS2505-2	DIP-8	High isolation volt. photocoupler	1.75	1.49	1.25
320725	♦	PS2505-4	DIP-16	Quad NPN phototransistor output	2.25	1.95	1.59
320805	♦	PS2532-4	DIP-16	Quad hi collector to emitter voltage	2.95	2.75	2.49
26278	♦	MOC3010	DIP-6	Bilateral sw. non-zero crossing triac	.49	.39	.35
95020	♦	MOC3011	DIP-6	Random phase, triac driver output	.49	.45	.35
277780	♦	MOC3020	DIP-6	Bilateral sw. non-zero crossing triac	.49	.39	.35
95038	♦	MOC3021	DIP-6	Random phase, triac driver output	.55	.45	.39
277819	♦	MOC3023	DIP-6	Random phase, triac driver output	.49	.45	.39
26294	JVP	MOC3031	DIP-6	Zero-crossing, triac driver output	.79	.69	.59
113953	♦	MOC3032	DIP-6	Zero-crossing, triac driver output	.75	.65	.55
277835	♦	MOC3041	DIP-6	Zero-crossing, triac driver output	.89	.79	.59
277843	♦	MOC3043	DIP-6	Zero-crossing, triac driver output	.99	.89	.75
133874	♦	MOC3063	DIP-6	Zero-crossing, triac driver output	.75	.65	.55
320629	♦	MOC3082	DIP-6	Zero-crossing, triac driver output	.49	.35	.29
2006414	LTO	LTR-5986D	SIP-3	NPN phototransistor/detector	.29	.22	.15

BEST SELLING LEDs

Part No.	Description	Output	Price
152785	Red diffused 3mm	Standard	\$.12
333973	Red diffused 5mm	Standard	.12
2006764	Blue diffused 5mm	Standard	.49
334764	White water clear 3mm	Medium	.99
320531	White water clear 5mm	High	.99



Optocouplers

*Web Code: NAK

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
42471	♦	6N136	DIP-8	Hi-speed phototransistor output	\$.75	\$.65	\$.55
113911	♦	6N137	DIP-8	Hi CMR, hi-speed logic gate output	.79	.69	.59
42489	♦	6N138	DIP-8	Hi-speed photodarlington output	.69	.59	.49
18825	♦	H11AA1	DIP-6	AC input/phototransistor	.59	.49	.45
320434	♦	H11AA2	DIP-6	AC input phototransistor optocoupler	.59	.49	.35
320451	♦	H11AA4	DIP-6	AC input phototransistor optocoupler	.59	.49	.39
113988	♦	H11L1	DIP-6	µPROC compatible Schmitt trigger	.89	.79	.69
871341	FSC	H11L1M	DIP-6	Logic output	.95	.85	.75
785821	FSC	HCPL2631S	SOIC-8	Dual ch. high speed 10mbit/s logic gate	1.75	.65	.55
1584221	AVT	HCPL-7710-000E	DIP-8	40ns propagation delay, CMOS	1.75	1.49	1.25
24918	♦	MCT6	DIP-8	High density NPN phototransistor	.59	.49	.45
672317	♦	MCT61	DIP-8	Dual channel NPN phototransistor	.29	.22	.15
672325	♦	MCT62	DIP-8	Dual channel NPN phototransistor	.65	.55	.45
2006385	LTO	LTV-814H	DIP-4	Phototransistor output, AC input	.25	.15	.12
878286	LTO	LTV-847	DIP-16	Quad ch. phototransistor output	.69	.59	.49
1583156	CLA	PD2401	DIP-16	AC solid st. sw. w/ dual pwr SCR output	6.95	5.95	5.49

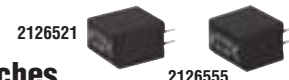
Slotted Optical Switches



*Web Code: XAP

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
114091	♦	H21A1	4-pin w/ tab	Single channel, 20mA (Ic)	\$2.75	\$2.49	\$2.25
320901	♦	H21A3	4-pin w/ tab	Single channel, 20mA (Ic)	2.75	2.49	2.25
2078282	SIE	IRLA075	4-pin w/ tab	Single channel, 50mA (Ic)	.99	.89	.79
2126301	ISO	ISTS150	8-pin w/ tab	Dual channel, 20mA (Ic)	.89	.79	.59

*Web Code: OTS



Optical Tilt Switches

Part No.	Product No.*	Pkg.	Description	1	10	100
2126521	RP-CUB-30-000-NB	4-pin	Optical tilt, 30°, 5mA (Ic)	\$1.49	\$1.25	\$.99
2126555	RP-RUB-15-000-NB	4-pin	Optical tilt, 15°, 5mA (Ic)	1.49	1.25	.99
2126547	RP-RUB-30-000-NB	4-pin	Optical tilt, 30°, 5mA (Ic)	1.49	1.25	.99
2126539	RP-RUB-45-000-NB	4-pin	Optical tilt, 45°, 5mA (Ic)	1.49	1.25	.99

*CUB = horizontal mount PCB; RUB = vertical mount PCB

*Subminiature LEDs Available Online — Enter Web Code SML

Standard-Output LEDs

Figure images on next page

*Web Code: FAF

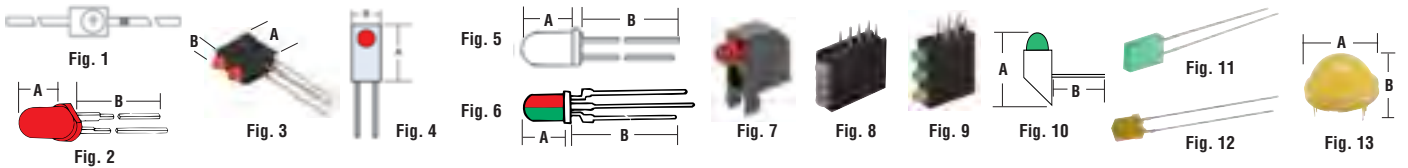
* Order in multiples of 10

															Pricing			
Part No.	Product No.	*Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions A" B"		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle°	1	10	100	1000
202471	MVL-301HR**	UNI	2	Red	Red diffused	T1	0.119/3	0.14	1.12	0.10	2.0	9.0	640	40	*	\$10	\$08	\$06
152785	LT0341R-41	JVP	2	Red	Red diffused	T1	0.119/3	0.20	0.89	0.10	2.1	15.5	635	56	*	.12	.10	.08
333851	UT6371-41-M1	JVP	2	Red	Red diffused	T1	0.119/3	0.17	0.98	0.10	1.8	65	660	60	*	.12	.10	.08
94529	LH2040	JVP	2	Red	Red diffused (XC209RB)	T1	0.119/3	0.18	1.04	0.07	2.3	4.5	697	36	*	.12	.10	.08
136282	LA44B/21	JVP	3	Red	Red diff. (right angle) .60° LDS	T1	0.119/3	0.38	0.17	0.10	1.7	12	635	50	.29	.22	.19	.17
152751	LT0344R-41	JVP	2	Red	Red clear	T1	0.119/3	0.20	0.89	0.10	2.1	60	635	36	*	.12	.10	.08
2081991	XLUR40W	JVP	5	Red	Water clear	T1	0.119/3	0.197	1.063	0.10	1.9	59	627	50	*	.07	.05	.03
333171	HLMP-K155-JV	JVP	5	Red	Red clear	T1	0.119/3	0.19	1.04	0.10	1.6	3.0	660	45	*	.12	.10	.08
333260	LHR2643	JVP	2	Red	Water clear	T1	0.119/3	0.13	0.98	0.10	1.5	300	660	40	*	.12	.10	.08
114673	LH2043*	JVP	2	Red	Water clear (BR209)	T1	0.119/3	0.14	0.98	0.07	2.3	8	697	30	*	.12	.10	.08
206498	LHR2041	JVP	2	Red	Red transparent	T1	0.119/3	0.17	0.69	0.08	2.4	350	660	30	*	.12	.10	.08
697565	LTL-4211N	LTO	2	Bright Red	Red diffused	T1	0.118/3	0.175	1.00	0.10	2.1	4.4	697	60	*	.10	.08	.06
697590	LTL-4221N	LTO	2	Hi-eff Red	Red diffused	T1	0.118/3	0.175	1.00	0.10	2.0	8.7	635	60	*	.09	.08	.06
2006713	LTL-161CE	LTO	2	Hi-eff Red	Red diffused, flanged	T1	0.118/3	0.21	1.07	0.10	2.0	12.6	621	60	*	.10	.08	.06

*10 pcs./**100 pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 25

* AVT = Avago | CLA = Clare | FSC = Fairchild | IFT = Infineon | ISO = Isocom | JVP = Jameco ValuePro | LTO = Lite On | OPT = Optek | SIE = Siemens | UNI = Unity Opto | ♦ Major Brands

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Standard-Output LEDs (Continued)

See page 25 for LED Mounting Hardware

* Web Code: FAF

* Order in multiples of 10

Part No.	Product No.	Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical V _f	Typical mcd	Wavelength nm	Viewing Angle°	Pricing			
								A"	B"						1	10	100	1000
2081932	BVL-300E5D	JVP	5	OrangeRed	Red diffused	T1	0.119/3	0.17	1.00	0.10	2.1	18	632	45	*	\$.08	\$.07	\$.06
94553	LHG2062	JVP	2	Red/Green	White diffused bi-color/bi-state ¹	T1	0.119/3	0.18	1.06	0.08	2.6	3/1.2	697/565	36	*	.19	.15	.12
1766366	4301F1/5	CML	5	Red/Green	White diffused bi-color	T1	0.119/3	0.175	1.00	0.10	2.1	13/4	660/565	60	.49	.45	.39	.35
156946	LT0362-25-D61	JVP	6	Red/Green	White diffused bi-color/tri-state	T1	0.119/3	0.16	0.87	0.08	2.1	2.7/13.3	700/567	50	.39	.35	.29	.25
235416	LA45B/2G	JVP	7	Green/Green	Green diffused (dual)	T1	0.119/3	0.40	0.18	0.10	1.7	15	565	50	*	.06	.05	.04
333219	LY12340	JVP	2	Yellow	Yellow diffused	T1	0.119/3	0.13	0.98	0.10	1.7	6.5	585	112	*	.10	.08	.06
2133413	LVY34D	SLD	2	Yellow	Yellow diffused	T1	0.118/3	0.16	1.00	0.10	1.95	5	590	60	*	.06	.05	.04
697688	LTL-4251N	LTO	5	Yellow	Yellow diffused	T1	0.118/3	0.175	1.00	0.10	2.1	5.6	585	60	*	.15	.12	.10
202489	MVL-301Y	UNI	5	Yellow	Yellow diffused	T1	0.118/3	0.20	1.10	0.10	2.1	9	585	40	*	.06	.05	.04
2155241	BVL-360YID	JVP	5	Yellow	Yellow diffused	T1	0.119/3	0.13	1.00	0.10	2.2	14	590	55	*	.12	.10	.08
34657	LY2040	JVP	2	Yellow	Yellow diffused (XC209Y)	T1	0.119/3	0.16	0.68	0.08	1.2	20	585	36	*	.12	.10	.08
334211	LA16BY	JVP	4	Yellow	Yellow diffused (right angle)	T1	0.119/3	0.29	0.18	0.10	1.7	12	585	50	*	.17	.14	.10
2133608	W934EW/YD	JVP	4	Yellow	Yellow diffused (right angle)	T1	0.118/3	0.29	0.18	0.10	2.1	15	590	60	*	.15	.12	.09
2006721	LTL-14CDJUL	LTO	2	Yellow/Green	White diffused bi-color, flanged	T1	0.119/3	0.19	1.35	0.10	2.1	8.7/12.6	585/565	80	*	.08	.06	.04
2125464	VX4SUGY91M	SLD	8	Yellow/Green	White diff. bi-color, quad-level	T1	0.119/3	0.47	0.20	0.10	2.1/2.2	24/6	590/565	130	*	.19	.15	.12
2125472	PZ1LUY2LUG32D	SLD	9	Yellow/Green	Yellow/green diffused, tri-level	T1	0.119/3	0.60	0.17	0.10	1.95/2.0	8/15	590/565	40	.29	.19	.15	.12
2006705	LTL-1CHYE	LTO	2	Yellow	Water clear, flanged	T1	0.119/3	0.21	1.07	0.10	2.1	40	585	45	*	.07	.05	.035
2082003	XLUY40W	JVP	5	Yellow	Water clear	T1	0.119/3	0.197	1.063	0.10	1.95	19	590	50	*	.08	.06	.045
206480	LVY2041	JVP	2	Yellow	Yellow transparent	T1	0.119/3	0.17	0.69	0.08	2.3	450	595	30	*	.12	.10	.08
333201	LG12340	JVP	2	Green	Green diffused	T1	0.119/3	0.13	0.98	0.10	1.7	9.6	565	112	*	.12	.10	.08
253631	HLMF-1503	FSC	2	Green	Green diffused	T1	0.119/3	0.19	1.00	0.10	2.1	1	565	60	*	.15	.12	.10
156930	LT0321-41-HE	JVP	2	Green	Green diffused	T1	0.118/3	0.16	0.88	0.10	2.1	32	567	56	*	.15	.12	.10
2132306	L354GD-H302	AMR	2	Green	Green diffused	T1	0.114/3	0.29	1.18	0.10	2.1	12.5	565	60	*	.12	.09	.07
2133721	551-0203F	DIA	4	Green	Green diffused (right angle)	T1	0.114/3	0.34	0.18	0.10	2.1	16	563	45	*	.15	.12	.10
211086	LTL-4231N-022	LTO	5	Green	Green diffused	T1	0.119/3	0.13	1.10	0.10	2.1	12.6	565	40	*	.10	.07	.05
697637	LTL-4231N	LTO	5	Green	Green diffused	T1	0.118/3	0.175	1.00	0.10	2.1	12.6	565	60	*	.12	.10	.08
34606	LSG2040	JVP	2	Green	Green diffused (XC209G)	T1	0.119/3	0.13	1.05	0.08	2.2	15	560	50	*	.15	.12	.10
2120401	LMG32D-12V-B	SLD	1	Green	Green diff. (12V internal resistor)	T1	0.119/3	0.13	1.05	0.08	1.7	19	565	60	*	.15	.12	.10
2155233	BVL-360GID	JVP	5	Green	Green diffused	T1	0.119/3	0.13	1.00	0.10	2.3	18	573	55	*	.12	.10	.08
1554144	HLMF-1790-A002	AVT	2	Green	Green tinted/diffused	T1	0.119/3	0.19	0.95	0.10	1.9	2.3	565	50	*	.17	.15	.10
175679	LVG2041	JVP	2	Green	Green transparent	T1	0.119/3	0.17	0.69	0.08	2.2	129	565	30	*	.15	.12	.10
2081983	XLUG40W	JVP	2	Green	Water clear	T1	0.119/3	0.197	0.63	0.10	2.0	69	565	50	*	.08	.06	.05
333315	MV7441-JV	JVP	2	Green	Water clear	T1	0.119/3	0.13	0.98	0.10	1.7	120	565	40	*	.08	.06	.05
114681	LVG2043	JVP	2	Green	Water clear (BG209)	T1	0.119/3	0.14	0.98	0.07	2.2	129	565	30	*	.12	.10	.08
137411	LVB2040	JVP	2	Blue	Blue diffused	T1	0.119/3	0.21	0.98	0.10	3.5	10	430	50	.89	.79	.69	.59
333383	UT63B1-41-M1A2	JVP	5	Blue	Blue diffused	T1	0.119/3	0.17	0.98	0.10	3.8	50	466	54	.49	.45	.35	.29
333973	UT1871-81-M1	JVP	2	Red	Red diffused	T1 ¾	0.197/5	0.34	0.98	0.10	1.7	75	660	25	*	.12	.10	.08
242844	LTL181-81	JVP	2	Red	Red diffused	T1 ¾	0.197/5	0.30	0.88	0.10	2.1	4.1	700	44	*	.12	.10	.08
2125309	LS5469FH	SIE	2	Super Red	Red diffused	T1 ¾	0.20/5.1	0.31	1.10	0.10	1.8	5	635	50	*	.09	.08	.07
253753	HLMF-3301	FSC	2	Red	Red diffused	T1 ¾	0.197/5	0.36	1.00	0.10	2.4	5.4	635	60	*	.19	.17	.12
302033	LTL1814-81	JVP	2	Red	Red clear	T1 ¾	0.197/5	0.34	0.88	0.10	2.1	10	650	10	*	.08	.06	.04
333489	LUR3330/HO/A	JVP	2	Red	Red diffused	T1 ¾	0.197/5	0.34	0.98	0.10	1.5	380	660	40	*	.19	.15	.12
94511	LH3330	JVP	2	Red	Red diffused (XC556RB)	T1 ¾	0.197/5	0.31	0.81	0.08	2.3	3	697	36	*	.15	.12	.10
104248	LA93B/H-1	JVP	10	Red	Red diffused (XC410R)	T1 ¾	0.197/5	0.35	0.89	0.08	2.3	6.5	697	46	.25	.21	.19	.15
34690	LFH3360	JVP	2	Red	Red diff. blinking (XC5410) ²	T1 ¾	0.197/5	0.30	0.94	0.07	3-12	2.8	697	—	.39	.35	.29	.25
253817	HLMF-4700	FSC	2	Red	Red diffused	T1 ¾	0.197/5	0.35	1.10	0.08	1.8	2.0	635	50	*	.12	.10	.08
34745	LH3333	JVP	2	Red	Water clear (XC554R)	T1 ¾	0.197/5	0.30	1.00	0.08	1.7	12	697	20	*	.12	.10	.08
2006756	LTL-5224	LTO	2	Hi-eff Red	Water clear, low profile, flanged	T1 ¾	0.197/5	0.24	1.01	0.10	2.0	29	623	44	*	.08	.06	.04
2155399	LTL-4268-H4	LTO	5	Red	Water clear	T1 ¾	0.197/5	0.34	1.00	0.10	1.8	270	638	16	*	.15	.12	.10
334378	UT1841R-81	JVP	2	Hi-eff Red	Red diffused	T1 ¾	0.197/5	0.34	0.98	0.10	2.1	23.1	630	44	*	.10	.08	.06
697602	LTL-4223	LTO	2	Hi-eff Red	Red diffused	T1 ¾	0.197/5	0.34	1.00	0.10	2.0	19	635	36	*	.12	.10	.075
697522	LTL-307E	LTO	5	Hi-eff Red	Red diffused	T1 ¾	0.197/5	0.34	0.90	0.10	2.0	19	635	50	*	.12	.10	.08
2006692	LTL-10224WHCR	LTO	7	Hi-eff Red	Red diffused w/ plastic case	T1 ¾	0.197/5	0.44	0.49	0.10	2.0	60	635	30	*	.09	.07	.055
790081	LTL-10223W	LTO	5	Hi-eff Red	Red diffused, flangeless	T1 ¾	0.187/4.75	0.283	1.00	0.10	2.0	60	623	60	*	.12	.09	.07
2006730	LTL-307E-3**	LTO	2	Hi-eff Red	Red diffused, flanged	T1 ¾	0.197/5	0.34	0.87	0.10	2.0	12.6	623	40	*	.09	.07	.05
334271	LA93B/L	JVP	10	Hi-eff Red	Red diffused PCB mnt indicators	T1 ¾	0.197/5	0.36	0.15	0.10	1.7	25	635	46	*	.15	.12	.10

* 10 pcs./** 100 pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 25

¹ Reverse polarity to change color

² Volt. shown is operating volt. range; no current limiting resistor required

Continued on next page

* AMR = American Opto | AVT = Avago | CML = CML Innovative | DIA = Dialight | FSC = Fairchild Semi | JVP = ValuePro | LTO = Lite On | SIE = Siemens | SLD = Sunled Corp | UNI = Unity Opto

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

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Standard-Output LEDs (Continued)

Figure images on previous page

★ Web Code: FAF

* Order in multiples of 10

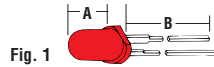
Part No.	Product No.	Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical V _f	Typical mcd	Wavelength nm	Viewing Angle°	Pricing			
								A"	B"						1	10	100	1000
697611	LTL-4224R	LTO	2	Hi-eff Red	Red transparent	T1 ¼	0.197/5	0.34	1.00	0.10	2.0	90	635	16	*	\$.10	\$.08	\$.06
697573	LTL-4213R	LTO	2	Bright Red	Red diffused	T1 ¼	0.197/5	0.34	1.00	0.10	2.1	3.7	657	36	*	.10	.08	.06
790225	LTL-307P	LTO	5	Bright Red	Red diffused	T1 ¼	0.197/5	0.34	0.90	0.10	2.1	5.6	657	50	*	.10	.08	.06
334174	LH3360R	JVP	6	Red/Orange	Red diffused bi-color/solid state ¹	T1 ¼	0.197/5	0.34	0.98	0.10	1.7	2 & 3	697/635	30	*	.12	.10	.08
1109260	TLUV5300R	VSH	6	Red/Green	White diffused bi-color/bi-state ¹	T1 ¼	0.197/5	0.30	1.00	0.10	3.0	2.5	630/565	60	*	.15	.12	.09
334182	LGH3362R	JVP	2	Red/Green	White diff. bi-color/solid state ¹	T1 ¼	0.197/5	0.34	0.98	0.10	1.7	1.2/4.5	697/565	30	*	.19	.17	.15
34673	LHG3392R	JVP	6	Red/Green	White diff. bi-color/tri-state	T1 ¼	0.197/5	0.30	1.02	0.03	2.3	3 & 12	697/565	70	*	.19	.15	.12
1554831	HLMP-4000R	AVT	6	Hi-eff Red/Gm	White diffused, bi-color	T1 ¼	0.2/5.08	0.36	1.00	0.10	1.9/2.2	2.1/4.2	635/568	65	*	.15	.12	.10
1584773	HLMP-4000S010R	AVT	10	Hi-eff Red/Gm	White diff. bi-color (right angle)	T1 ¼	0.2/5.08	0.36	1.00	0.10	1.9/2.2	2.1/4.2	635/568	65	*	.39	.35	.29
697557	LTL-30EFJR	LTO	6	Bright Red/Gm	White diffused, bi-color	T1 ¼	0.197/5	0.41	0.945	0.10	2.1/2.1	5.6/19	697/565	30	*	.35	.29	.25
34711	LEG3362R	JVP	2	Orange/Gm	White diffused bi-color/bi-state ¹	T1 ¼	0.197/5	0.30	1.01	0.09	1.7	4.5	635/565	30	*	.19	.15	.12
152857	LT1841R-81-R	JVP	2	Orange Red	Red diffused	T1 ¼	0.197/5	0.34	0.89	0.10	2.1	23.1	630	45	*	.12	.10	.08
210825	BVU-5M1QN1	BVO	5	Orange Red	Red diffused	T1 ¼	0.197/5	0.30	1.00	0.10	2.1	465	615	30	*	.08	.07	.05
107393	LE3330R	JVP	2	Orange Red	Orange diffused (XC556A)	T1 ¼	0.197/5	0.30	1.02	0.08	2.3	24	635	36	*	.10	.08	.06
2155268	BVL-501EID	JVP	5	Orange Red	Orange diffused	T1 ¼	0.197/5	0.30	1.00	0.10	2.1	50	622	25	*	.12	.10	.08
697696	LTL-4253R	LTO	2	Yellow	Yellow diffused	T1 ¼	0.197/5	0.34	1.00	0.10	2.1	19	585	36	*	.12	.10	.08
334108	UT1831-81-S	JVP	2	Yellow	Yellow diffused	T1 ¼	0.197/5	0.34	0.98	0.10	2.1	90	590	10	*	.12	.10	.08
333622	LHY3330/HO	JVP	2	Yellow	Yellow diffused	T1 ¼	0.197/5	0.34	0.98	0.10	1.7	350	595	40	*	.15	.12	.10
2125288	LY5469FH	SIE	2	Yellow	Yellow diffused	T1 ¼	0.20/5.1	0.31	1.10	0.10	2.0	5	586	50	*	.08	.06	.05
697549	LTL-307YR	LTO	5	Yellow	Yellow diffused	T1 ¼	0.197/5	0.34	0.90	0.10	2.1	29	585	50	*	.12	.10	.08
34825	LY3330R	JVP	2	Yellow	Yellow diffused (XC556Y)	T1 ¼	0.197/5	0.30	0.82	0.07	2.3	12	585	36	*	.15	.12	.10
2135339	550-0307	DIA	10	Yellow	Yellow tinted	T1 ¼	0.197/5	0.45	0.15	0.10	2.1	12.3	585	60	*	.25	.22	.19
2135552	550-1206	DIA	10	Yellow	Yellow diffused	T1 ¼	0.197/5	0.55	0.15	0.10	1.9	1.8	583	50	*	.19	.15	.12
104264	LA93B/Y-1R	JVP	10	Yellow	Yellow diffused (XC410Y)	T1 ¼	0.197/5	0.35	0.89	0.08	2.3	25	585	46	*	.29	.25	.19
1995927	LTL-10253R	LTO	2	Yellow	Yellow diffused, flanged	T1 ¼	0.187/4.75	0.283	1.00	0.10	2.1	12.6	585	60	*	.08	.06	.05
1554603	HLMP-3401-E00B2R	AVT	10	Amber	Amber diffused	T1 ¼	0.197/5	0.36	1.05	0.10	2.0	5.7	583	60	*	.25	.22	.19
697653	LTL-4233R	LTO	2	Green	Green diffused	T1 ¼	0.197/5	0.40	1.00	0.10	2.1	19	565	36	*	.12	.10	.08
693901	MCDL-5013GD	MCD	2	Green	Green diffused	T1 ¼	0.197/5	0.34	1.04	0.10	2.1	12.5	565	60	*	.08	.06	.05
697531	LTL-307GR	LTO	2	Green	Green diffused	T1 ¼	0.197/5	0.34	1.00	0.10	2.1	19	565	50	*	.12	.10	.08
152822	LT1821-81-HE	JVP	2	Green	Green diffused	T1 ¼	0.197/5	0.34	0.89	0.10	2.1	50	567	41	*	.19	.15	.12
2125296	LG5469FH	SIE	2	Green	Green diffused	T1 ¼	0.20/5.1	0.31	1.10	0.10	1.9	5	565	50	*	.10	.08	.06
253833	HLMP-4740	FSC	2	Green	Green diffused	T1 ¼	0.197/5	0.36	1.00	0.10	2.2	2.3	565	50	*	.12	.10	.08
334086	LG13740R	JVP	2	Green	Green diffused	T1 ¼	0.197/5	0.34	0.98	0.10	1.7	20	565	68	*	.10	.08	.06
34761	LG3330R	JVP	2	Green	Green diffused (XC556G)	T1 ¼	0.197/5	0.31	0.79	0.09	2.3	30	565	36	*	.15	.12	.10
2144981	LTL-432L-11	LTO	10	Green	Green diffused	T1 ¼	0.197/5	0.40	0.63	0.15	2.1	19	569	34	*	.15	.12	.09
104256	LA93B/G-1R	JVP	10	Green	Green diffused (XC410G)	T1 ¼	0.197/5	0.35	0.89	0.08	2.3	30	565	46	*	.17	.14	.10
790900	LT-10233W	LTO	2	Green	Green diffused, flangeless	T1 ¼	0.187/4.75	0.28	1.0	0.10	2.1	40	569	60	*	.12	.10	.08
2126571	BR-B2134-12V	BRT	2	Green	Green diffused	T1 ¼	0.197/5	0.30	1.04	0.10	12	80	568	35	*	.19	.15	.10
175687	LT0524-81	JVP	2	Green	Green transparent	T1 ¼	0.197/5	0.24	1.07	0.07	2.1	44	567	30	*	.08	.06	.04
697661	LTL4234R	LTO	2	Green	Green transparent	T1 ¼	0.197/5	0.34	1.00	0.10	2.1	60	565	16	*	.08	.06	.04
2100232	LTL-10234WHC	LTO	6	Green	Green clear with plastic case	T1 ¼	0.197/5	0.44	0.49	0.10	2.1	60	565	30	*	.06	.04	.03
333956	LG3331R	JVP	2	Green	Green transparent	T1 ¼	0.197/5	0.34	0.98	0.10	1.7	150	565	20	*	.10	.075	.05
11359	LG3333R	JVP	2	Green	Water clear (BG5704)	T1 ¼	0.197/5	0.30	1.04	0.07	2.3	150	565	20	*	.08	.07	.05
790321	LTL4238R	LTO	2	Green	Water clear	T1 ¼	0.197/5	0.34	1.00	0.10	2.1	90	565	16	*	.10	.07	.05
333227	LG13530R	JVP	5	Hi-eff green	Green diffused (flangeless)	T1 ¼	0.197/5	0.34	0.98	0.10	1.7	25	565	36	*	.10	.08	.06
2133641	LT641G1HR-H206	JVP	3	Green/Red	Green diffused/red diffused	T1 ¼	0.119/5	0.49	0.24	0.10	2.1	28/40	567/635	38	*	.29	.25	.19
138691	LVB3330R	JVP	2	Blue	Blue diffused	T1 ¼	0.197/5	0.34	0.98	0.10	4.8	10	430	36	*	.99	.89	.75
2006764	LTL-2R3CBD3R	LTO	2	Blue	Blue diffused, flanged	T1 ¼	0.197/5	0.34	0.87	0.10	3.5	50	468	45	*	.69	.65	.55
2133421	SSL-LX5093SWC/A	LUM	2	White	Water clear	T1 ¼	0.197/5	0.30	1.00	0.10	3.6	200	—	16	*	.89	.79	.69
138683	LHR3630R	JVP	5	Red	Red diffused	10mm	0.394/10	0.40	1.04	0.10	2.0	200	660	32	*	.25	.22	.17
2152112	MCDL-833SED	JVP	5	Hi-eff red	Red diffused	10mm	0.394/10	0.43	1.00	0.1	2.0	35	635	60	*	.45	.39	.35
2152139	MCDL-833ED-E-610R	JVP	5	Orange	Orange diffused	10mm	0.394/10	0.43	1.00	0.1	2.0	25	610	60	*	.45	.39	.35
2152121	MCDL-833SYD	JVP	5	Yellow	Yellow diffused	10mm	0.394/10	0.43	1.00	0.1	2.0	35	590	60	*	.45	.39	.35
2152104	MCDL-833SGD	JVP	5	Green	Green diffused	10mm	0.394/10	0.43	1.00	0.1	2.2	50	570	60	*	.49	.45	.39
98984	LVG3630R	JVP	2	Green	Green diffused	10mm	0.394/10	0.40	1.07	0.08	2.3	40	565	32	*	.25	.22	.17
2152147	MCDL-833SBD	JVP	5	Blue	Blue diffused	10mm	0.394/10	0.43	1.00	0.1	4.2	20	430	60	*	1.19	1.09	.99
104889	LEG5292	JVP	11	Orange/Gm	White diff. bi-color rectangular	2x5mm	—	0.27	1.02	0.08	2.3	6/6	635/565	116	*	.25	.22	.17
790356	LTL-433GR	LTO	11	Green	Green diffused, rectangular	2x5mm	—	0.30	1.00	0.10	2.1	3.7	565	140	*	.12	.10	.08
2133464	SSL-3353SYD	LUM	12	Yellow	Yellow diffused, square	3x3mm	0.119/3	0.18	1.00	0.10	2.5	100	590	80	*	.10	.07	.05
2005737	LTJ-811Y	LTO	13	Yellow	Sphere lens (12-pin)	20mm dome	0.8/20	0.91	0.53	0.60	2.1	25	565	30	*	.19	.17	.15

* 10 pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 25 ¹ Reverse polarity to change color

* AVT = Avago | BRT = Bright LED | BVO = BV Optotech | DIA = Dialight | FSC = Fairchild | JVP = ValuePro | LTO = Lite-On | LUM = Lumex | MCD = MCD Elec. | SIE = Siemens | VSH = Vishay

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Medium-Output LEDs



★ Web Code: MBW

* Order in multiples of 10

Part No.	Product No.	Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle°	Pricing			
								A"	B"						1	10	100	1000
156954	UT0373-41	JVP	1	Red Super Bright	Water clear	T1	0.119/3	0.16	0.94	0.10	1.8	100	660	36	*	\$.19	\$.15	\$.12
333340	LHE2643	JVP	1	Orange	Water clear	T1	0.119/3	0.13	0.98	0.10	1.7	700	620	40	*	.17	.12	.10
2133632	LT033N-41-UR91	JVP	1	Yellow	Water clear	T1	0.119/3	0.20	0.89	0.10	1.9	700	589	35	*	.09	.07	.05
333307	LUY2643-1	JVP	1	Yellow	Water clear	T1	0.197/5	0.13	0.98	0.10	1.7	900	595	40	.35	.29	.25	.19
98968	QLMP-LB98	AVT	2	Blue	Blue clear (oval)	T1	0.119/3	0.28	0.94	0.10	3.2	550	470	70	.35	.29	.25	.19
334749	UT63B3-41-UR33	JVP	1	Blue	Water clear	T1	0.119/3	0.17	0.94	0.10	3.2	900	470	45	.79	.69	.59	.49
2115688	NSPB346BST	NCH	2	Blue	Blue diffused (oval)	T1	0.119/3	0.28	0.94	0.10	3.6	720	470	30	.35	.29	.25	.19
334764	LWK2043	JVP	1	White	Water clear	T1	0.119/3	0.17	0.98	0.10	3.5	900	—	30	.99	.89	.75	.65
333497	LSR13233	JVP	1	Red	Water clear	T1 ¾	0.197/5	0.30	0.98	0.10	1.5	720	660	18	*	.19	.15	.12
1995978	LTL-353CKRH4	LTO	2	Red	Water clear	T1 ¾	0.197/5	0.30	0.91	0.10	1.8	1000	660	12	*	.10	.08	.06
2077052	HLMP-ED31	AGT	2	Red	Water clear	T1 ¾	0.197/5	0.30	0.94	0.10	2.0	1000	630	30	*	.15	.12	.09
206519	LHR3331	JVP	1	Red	Red transparent	T1 ¾	0.197/5	0.30	0.98	0.10	1.5	900	550	20	*	.19	.15	.12
152864	BVU501SR4	JVP	1	Red Super Bright	Water clear	T1 ¾	0.197/5	0.34	0.89	0.10	1.9	600	660	20	*	.12	.08	.06
351089	MCDL-517URD-F	JVP	1	Super Red	Red diffused blinking	T1 ¾	0.197/5	0.30	1.00	0.10	1.8	500	660	120	.49	.45	.39	.35
203553	HLMP-4100	AGT	1	Orange Red	Water clear	T1 ¾	0.197/5	0.45	0.90	0.10	1.8	750	642	8	*	.06	.05	.03
152792	LT1833-81- M1	JVP	1	Yellow	Water clear	T1 ¾	0.197/5	0.30	0.95	0.10	2.1	1040	593	19	.29	.25	.19	.15
206501	LVY3331	JVP	1	Yellow	Yellow transparent	T1 ¾	0.197/5	0.30	1.02	0.10	1.7	1500	595	20	*	.17	.12	.10
153154	LVG3333	JVP	1	Green	Water clear (HLMP-8509)	T1 ¾	0.197/5	0.30	1.02	0.10	2.3	500	565	20	*	.12	.10	.08
156962	LT1823-81-HE	JVP	2	Green	Water clear	T1 ¾	0.197/5	0.30	1.00	0.10	2.1	500	567	19	*	.19	.15	.12
333551	LVG13233	JVP	1	Green	Water clear	T1 ¾	0.197/5	0.30	0.98	0.10	1.7	600	565	18	*	.17	.12	.10
2135267	TLHB-5100	VSH	1	Blue	Water clear	T1 ¾	0.197/5	0.30	0.90	0.10	3.9	250	466	9	.69	.59	.55	.45
134333	383UBC/H2	JVP	1	Blue	Water clear	T1 ¾	0.197/5	0.30	1.00	0.10	3.8	630	428	30	.99	.89	.79	.69
334465	LDBK3331/H0	JVP	1	Blue	Blue transparent	T1 ¾	0.197/5	0.30	0.98	0.10	3.5	900	470	26	.89	.79	.65	.59
2133659	LT12W3-4D-UE3-WD	JVP	3	White	Water clear	T1 ¾	0.181/4.6	0.30	1.00	0.10	3.2	850	—	100	.89	.79	.69	.59
2129625	LDUV3333	JVP	1	Purple	Water clear	T1 ¾	0.197/5	0.30	1.00	0.10	3.0	450	400	20	.99	.89	.79	.69
2129799	LTL911SEKSA	LTO	3	Red	Water clear	3mm dome	0.119/3	0.30	0.30	0.20	2.5	600	638	90	.29	.25	.19	.15
2005690	LTL911VYKSA	LTO	3	Amber	Water clear	3mm dome	0.119/3	0.30	0.30	0.20	2.15	600	595	70	*	.12	.10	.08
2152155	MCDL-833URD-U12	JVP	2	Super Red	Red diffused	10mm	0.394/10	0.43	1.00	0.10	1.8	600	660	60	.45	.39	.35	.29

High-Output LEDs

• Typical DC forward current 20mA

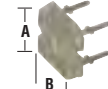
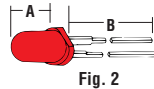
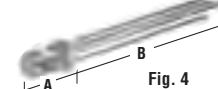


Fig. 3 (Piranha)



★ Web Code: RBJ

* Order in multiples of 10

Part No.	Product No.	Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle°	Pricing			
								A"	B"						1	10	100	1000
98950	QLMP-LM98	AVT	1	Green	Green clear (oval)	T1	0.119/3	0.28	0.94	0.10	3.2	2400	525	70	*	\$.19	\$.15	\$.12
217525	MCDPW-3004C	JVP	1	White	Water clear	T1	0.119/3	0.14	1.00	0.10	3.8	3000	—	30	1.39	1.25	1.09	.99
2138855	LWU30243	WEN	1	White	Water clear	T1	0.119/3	0.17	1.00	0.10	3.2	4000	—	25	1.19	1.09	.95	.79
2138863	LUE30243	WEN	1	Super Red	Water clear	T1	0.119/3	0.17	1.00	0.10	2.0	3000	625	15	.39	.35	.29	.25
197641	BVT-529T8E	JVP	1	Yellow	Yellow clear (oval)	T1 ½	0.178/4.5	0.29	0.96	0.08	2.3	3600	592	45	.49	.45	.35	.29
2125413	TLHK5800	VSH	1	Red	Water clear	T1 ¾	0.197/5	0.30	0.90	0.10	1.9	2500	630	4	*	.19	.17	.15
334423	UT9C13-86-UDC2	JVP	2	Red	Water clear	T1 ¾	0.197/5	0.30	1.00	0.10	1.9	2700	630	18	.25	.19	.17	.15
333526	LUR3833	JVP	2	Red	Water clear	T1 ¾	0.197/5	0.30	1.02	0.10	1.5	2700	660	12	.25	.21	.19	.16
1586189	UT1813-83-UJEI	JVP	2	Red	Water clear	T1 ¾	0.197/5	0.30	1.00	0.10	2.1	5500	632	25	.39	.35	.29	.19
1584917	HLMP-EG08-Y2000	AVT	2	Red	Red untinted/non-diffused	T1 ¾	0.197/5	0.30	0.94	0.10	1.9	9300	635	6	.49	.39	.35	.29
333447	UT1873-81-UR-P22R	JVP	1	Super Red	Water clear	T1 ¾	0.197/5	0.30	0.89	0.10	1.9	1600	660	25	.29	.25	.22	.19
2095171	RL50-PR543	JVP	1	Ult. Bright Red	Water clear	T1 ¾	0.197/5	0.30	1.02	0.10	1.7	8000	635	20	.39	.29	.19	.15
334482	UT1813-86-UC9T-P27	JVP	2	Ult. Bright Red	Water clear	T1 ¾	0.197/5	0.30	0.89	0.10	2.2	3500	630	15	.45	.39	.29	.25
197683	BVT-5E1QT4ER	JVP	2	Orange Red	Water clear	T1 ¾	0.197/5	0.29	0.96	0.10	2.3	4650	634	15	.49	.45	.35	.29
2006799	LTL-2R3VYKNT	LTO	2	Orange	Water clear, flanged	T1 ¾	0.197/5	0.30	0.87	0.10	2.0	1300	595	30	*	.12	.10	.08
333665	LEF3833	JVP	2	Orange	Water clear	T1 ¾	0.197/5	0.30	0.98	0.10	1.7	1700	620	12	*	.15	.10	.08
333649	LHE3333	JVP	2	Orange	Water clear	T1 ¾	0.197/5	0.30	0.98	0.10	1.7	1800	620	20	*	.15	.10	.08
333657	LUE3333	JVP	1	Orange	Water clear	T1 ¾	0.197/5	0.30	0.98	0.10	1.7	3400	620	20	.35	.29	.19	.17
333673	LUE3833	JVP	1	Orange	Water clear	T1 ¾	0.197/5	0.30	0.98	0.10	1.7	5000	620	12	.39	.35	.25	.22
333614	LUY3833H	JVP	2	Yellow	Water clear	T1 ¾	0.197/5	0.30	0.98	0.10	1.7	5000	590	12	.39	.35	.25	.22
333569	LVY3333/A*	JVP	2	Yellow	Water clear	T1 ¾	0.197/5	0.30	0.98	0.10	1.7	2500	590	20	*	.17	.15	.12
333593	LUY13533	JVP	2	Yellow	Water clear	T1 ¾	0.197/5	0.34	0.98	0.10	1.7	1500	595	20	*	.15	.12	.09
333606	LHY3833	JVP	1	Yellow	Water clear	T1 ¾	0.197/5	0.30	1.02	0.10	1.7	2700	595	12	*	.15	.12	.09
197675	BVT-5E1T4E	JVP	1	Yellow	Water clear	T1 ¾	0.197/5	0.30	1.00	0.10	2.3	7800	592	15	.45	.39	.35	.29
2095189	RL50-PY543	JVP	1	Ultra Yellow	Water clear	T1 ¾	0.197/5	0.30	1.02	0.10	1.7	8000	595	20	.39	.29	.19	.15
2006772	LTL-2H3VYKNT1	LTO	2	Amber/Yellow	Water clear, flanged	T1 ¾	0.197/5	0.30	0.87	0.10	2.0	3400	595	15	*	.12	.10	.07
2006781	LTL-2R3SYKS	LTO	2	Amber	Water clear, flanged	T1 ¾	0.197/5	0.30	0.87	0.10	2.2	2800	594	30	*	.17	.12	.10
334473	LDGL3333/H0	JVP	2	Green	Water clear	T1 ¾	0.197/5	0.30	0.98	0.10	3.5	3400	505	22	.75	.65	.55	.45
1586197	UT4J23-4D-UBC2-S11	JVP	2	Green	Water clear	T1 ¾	0.197/5	0.28	0.94	0.10	3.0	2500	500	28	.45	.39	.35	.29

* 10 pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 25

Continued on next page

* AGT = Agilent | AVT = Avago Technology | JVP = Jameco ValuePro | LTO = Lite-On | NCH = Nichia | VSH = Vishay | WEN = Wenrun Opto

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

4 LEVELS OF SAVINGS			
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

High-Output LEDs (Continued)

Figure images on previous page

*Web Code: RBJ

Part No.	Product No.	Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle°	Pricing			
								A"	B"						1	10	100	1000
2077079	HLMP-CM39-UVCCD	AGT	1	Green	Untinted/non-diffused	T1 ¼	0.197/5	0.30	0.90	0.10	3.2	5000	535	30	\$.49	\$.45	\$.39	\$.35
183222	MCDL-5013UBC-TL	JVP	2	Blue	Water clear	T1 ¼	0.197/5	0.30	0.94	0.10	3.5	6000	470	18	1.39	1.25	1.09	.99
334502	LWK3333	JVP	2	White	Water clear	T1 ¼	0.197/5	0.30	0.94	0.10	3.5	5000	—	16	.89	.79	.65	.59
334773	UT18W3-86-UAF1-P22	JVP	2	White	Water clear	T1 ¼	0.197/5	0.30	0.94	0.10	3.6	2900	—	25	1.19	1.09	.99	.89
142894	BVU-5E1WK4-B	JVP	2	White	Water clear	T1 ¼	0.197/5	0.30	1.00	0.10	3.5	3700	—	15	1.49	1.35	1.19	1.05
320531	MCDL-5013UWC	JVP	2	White	Water clear	T1 ¼	0.197/5	0.30	1.00	0.10	3.8	5000	—	15	.99	.89	.75	.65
2077061	EM-503QWC-R12	JVP	1	White	Water clear	T1 ¼	0.197/5	0.30	1.04	0.10	4.5	5000	—	25	.99	.89	.75	.65
2115493	UT5HW3-4D-URC3-4861-R	JVP	2	White	Water clear	T1 ¼	0.197/5	0.30	0.95	0.10	4.0	7000	—	30	1.19	1.09	.95	.79
2144753	TLWB7600	VSH	3	Blue	Water clear (7.62mm sq.)	2mm dome	0.079/2	0.30	0.30	0.20	4.3	2000	470	30	.89	.79	.69	.59
2005702	LTL912VEKSA	LTO	3	Red	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	2.15	1200	632	50	.19	.15	.12	.10
2005729	LTL914SYKS	LTO	3	Amber	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	2.5	2000	596	30	.29	.25	.19	.15
404603	MCDL-1860UGC-TL	JVP	3	Green	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	3500	525	75	.79	.69	.59	.49
404591	MCDL-1860UBC-15C	JVP	3	Blue	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	2500	470	75	1.39	1.25	1.15	.99
664341	MCDL-1870UWC-15C	JVP	3	White	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	6500	—	40	1.69	1.55	1.39	1.29
404582	MCDL-1860UWC-15C	JVP	3	Ultra White	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	3500	—	75	1.59	1.45	1.19	1.09

JAMECO ValuePro RGB High-Output LEDs

Figure images on previous page

*Web Code: RGB

Part No.	Product No.	Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle°	Pricing			
								A"	B"						1	10	100	1000
2125181	MCDL-5T8R6G5B6C	JVP	4	Red/Green/Blue	Water clear	T1 ¼	0.197/5	0.34	1.11	0.028	2.25/3.5/3.5	3500/4000/2000	624/525/470	20	\$1.95	\$1.75	\$1.59	\$1.39
2128500	MCDL-5013RGBC-TL-A	JVP	4	Red/Green/Blue	Water clear	T1 ¼	0.197/5	0.30	0.78	0.05	2.0/3.5/3.5	3000/5000/1000	628/525/470	25	1.95	1.75	1.59	1.39
2157271	MCDL-5013RGBW-B	JVP	4	Red/Green/Blue	Diffused	T1 ¼	0.197/5	0.30	1.00	0.10	2.3/3.5/3.5	300/300/300	630/525/470	40	1.49	1.35	1.19	1.09
2152163	MCDL-833RGBW-B	JVP	1	Red/Green/Blue	Diffused	10mm	0.394/10	0.43	1.00	0.10	5.0/5.0/5.0	700/800/400	625/525/470	20	1.79	1.59	1.39	1.19

2125181: Common Cathode; 2128500: Common Anode ↑ Auto blink/color change function

Standard & Ultra-Bright Surface Mount LEDs

*Web Code: LMS

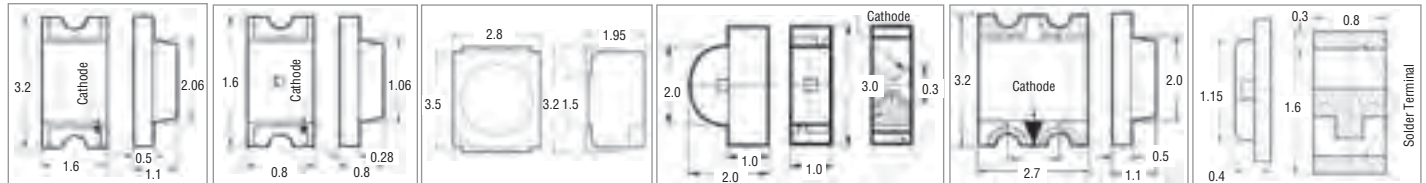


Fig. 1 - 1206

Fig. 2 - 0603

Fig. 3 - PLCC-2

Fig. 4 - 1208 Right Angle

Fig. 5 - 1210

Fig. 6 - 0603 Super Thin

* Order in multiples of 10

Part No.	Mfr. Part No.	Mfr.	Fig.	Emitting Color	Lens/Feature Description	Typical Vf (V)	If Max. (mA)	Iv Typical mcd @ mA	Peak Wavelength (nm)	Viewing Angle (2x Theta)	Pricing			
											1	10	100	1000
1260365	LTST-C190EKT	LTO	2	Red Orange	Water clear	2.0	30	6 @ 10	630	130	*	\$.05	.02	\$.01
1557054	HSMC-C660	AVT	4	Red	Water clear	1.9	20	5 @ 20	639	155	*	.15	.13	.12
1260357	LTST-C190CKT	LTO	2	Red	Water clear	1.8	40	10 @ 10	660	130	*	.05	.04	.025
1556414	HSMH-C150	AVT	1	Red	Untinted, diffused	1.8	20	17 @ 20	630	130	*	.10	.08	.06
1556431	HSMH-C190	AVT	2	Red	Untinted, diffused	1.8	20	17 @ 20	660	170	*	.08	.06	.04
1556422	HSMH-C170	AVT	1	Red	Untinted, diffused	1.8	20	17 @ 20	660	170	*	.08	.06	.05
697733	LTST-C150CKT	LTO	1	Red	Water clear	1.8	40	25 @ 20	660	130	*	.12	.10	.08
658321	MSL-204DR	UNI	3	Red	Water clear	1.8	20	50 @ 20	657	120	*	.12	.10	.09
1556300	HSMF-C155	AVT	5	Hi-eff Red/Green	Water clear	2.1/2.2	20/20	10/15 @ 20	630/570	170/170	*	.15	.12	.10
334318	LG-150E-DT	JVP	1	Orange	White diffused	1.7	20	5 @ 20	635	150	*	.08	.06	.04
1996111	LTST-C150YKT	LTO	1	Yellow	Water clear	2.1	20	6 @ 10	585	130	*	.08	.07	.05
334351	YT95531/TRI	JVP	3	Yellow	Water clear	1.7	20	7 @ 10	585	84	*	.07	.06	.04
697741	LTST-C150GKT	LTO	1	Green	Water clear	2.1	30	6 @ 10	565	130	*	.10	.08	.07
334369	LVG9553/TRI	JVP	3	Green	Water clear	1.7	20	9 @ 10	565	84	*	.08	.06	.05
1556406	HSMG-C660	AVT	4	Green	Water clear	2.2	20	9 @ 20	570	155	.22	.17	.15	.12
2039902	LTST-C150FKT*	LTO	1	Green	Water clear	2.1	20	14.2 @ 20	565	130	*	.12	.10	.08
2047945	LTST-C191TBKT	LTO	5	Blue	Water clear	3.8	20	112 @ 20	468	130	*	.15	.10	.08
334781	LG-150DBK-CT	JVP	1	Blue	Water clear	3.5	20	40 @ 20	470	150	.39	.29	.25	.19
2121703	LTST-C192TBKT	LTO	2	Blue	Water clear	3.8	20	40 @ 20	468	130	*	.29	.25	.19
658355	MSL-204MB*	UNI	3	Blue	Water clear	3.5	20	120 @ 20	468	120	.49	.45	.39	.35
2033164	LTW-193TS5	LTO	6	White	Water clear	3.15	20	112 @ 5	—	130	*	.19	.15	.12
658347	MSL-204MW	UNI	3	White	Water clear	3.5	20	400 @ 20	—	120	.69	.59	.49	.39
334756	UT5KW3-AA-UAE3-SA8	JVP	3	White	Water clear	3.2	20	750 @ 20	—	120	.75	.65	.55	.45

* Ultra-bright AlInGaP surface mount LED

* AGT = Agilent | AVT = Avago Technology | JVP = Jameco ValuePro | LTO = Lite-On | UNI = Unity Opto Technology | VSH = Vishay

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.



Conxrite Locking Header

This locking header provides positive locking between PCB and cable assembly.

Part No.	Mfr. Part No.	Description	10	100	500
417682	CNXH03NTP	Horizontal 3-pin	\$.15	\$.12	\$.09



T1 3/4 Cliplite® LED Lens Mounts

Standard CLF280 and low profile CLB300 provide 180° viewing angle. Colors: red and clear.

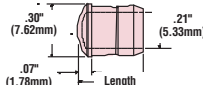


Part No.	Mfr. Part No.	Size	Color	1	10	100	1000
29612	CLF280RTP	T1 3/4	Red	\$.25	\$.19	\$.17	\$.15
14277	CLF280CTP	T1 3/4	Clear	.29	.25	.21	.19
14292	CLB300CTP	T1 3/4	Clear	.29	.25	.21	.19



Panel Lens for PCB Mounted T1 3/4 LED

T1-3/4 size low-profile panel lenses provide 180° viewing angle.



Part No.	Mfr. Part No.	Size	Color	Length	1	10	100	1000
143132	CMC321CTP	T1 3/4	Clear	.33"	\$.29	\$.25	\$.21	\$.19

***LED Mounting Hardware — Enter Web Code: KAL**

Cluster Type T1-3/4 LED Lamp

- Cluster type 4 orange-red 5mm LEDs • 634mm
- Lens: red tinted transparent • Luminous uniformity: 16cd
- Vf @ If = 9V @ 20mA (typical) • 26mm diameter case size
- 21" long-2-wire with connector • 30 degree viewing angle

Part No.	Product No.	1	10	100
2155276	BVM-R26QT4	\$4.95	\$4.49	\$3.95

PHILIPS Xitanium LED Driver Module

Xitanium drivers from Advance deliver solid performance and reliability for 12V lighting system.

- UL and CSA class 2 rated • Low temperature -40°C
- UL IP66 rated for outdoor use • High temperature +60°C

Part No.	Description	1	5	25
2120233	12VDC/1A LED driver	\$12.95	\$11.49	\$9.95



1" x 1.56" LED Backlight

- IC compatible • D.C. forward current: 30mA
- Peak wavelength: 567nm @ 20mA • View angle: 52°
- Forward voltage: (typical) 4.2V @ 20mA; (max) 6.0V @ 20mA
- Luminous intensity: (min) 14.9mcd @ 20mA; (typical) 24.8mcd @ 20mA

Part No.	Mfr. Part No.	LED Material	Emitting Color	Lens Color	1	10	100
302535	LT1F24-A2-S8	GaP	Green	G.C.	\$1.25	\$.95	\$.75



2-150mA T1 & T1 3/4 LED Tester

Plug any leaded LED into any 2 rows of sockets. 13.1" spaced positions test T1/T1 3/4 LEDs from 2 to 30mA; 13.2" spaced positions test larger footprint (high flux) LEDs from 20 to 150mA. Uses 9V battery (P/N 198731 — sold separately)

Part No.	Description	Size (L x W x H)	1	5	25
355805	LED tester	3.1" x 2.2" x 0.9"	\$9.95	\$8.95	\$7.95



Power LED Driver Module

- Delivers accurate constant current required by most high power LEDs
- Input voltage: 6-12VAC/9-18VDC • Power consumption: 650mA max.
- High efficiency due to switch mode principle
- Size: 1.8"L x 1.2"W x 0.64"H • Short-circuit protected
- Built-in rectifier for easy connection to AC source
- Also suited as fixed current NiCd/NiMH battery charge circuit
- Constant current source: 350mA or 700mA

Part No.	Mfr. Part No.	Description	1	5
2006932	K8071	1-watt/3-watt module kit	\$15.95	\$14.49

***For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above**

Conxrite Pre-Wired Solderless LED Interconnects

Designed to replace labor-intensive hard-wiring of panel-mounted LEDs to PCB.



417463

417560



For complete specifications see www.Jameco.com

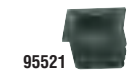
Part No.	Mfr. Part No.	LED Size	Termination (leads)	Length	1	10	100
143037	CNXCE2108	T1 3/4 (5mm)	2-pin connector	8"	\$2.19	\$2.09	\$1.75
417463	CNXCE2112	T1 3/4 (5mm)	2-pin connector	12"	2.49	2.25	1.95
143053	CNXCE2118	T1 3/4 (5mm)	2-pin connector	18"	1.95	1.75	1.49
673820	CNX440-X02-4-1-08	T1 3/4 (5mm)	2-pin conn. (twist fit)	8"	1.25	1.09	.99
417560	CNXDF2618	T1 3/4 (5mm)	3-pin connector	18"	1.25	1.09	.99
417578	CNXDF2624	T1 3/4 (5mm)	3-pin connector	24"	.95	.85	.75



T1 & T1 3/4 LED Mounting Hardware

- Color: black

***Web Code: KAL**



Order in multiples of 10

Part No.	Mfr. P/N	Description	Mounting Hole Dia.	Panel Thickness	Pricing		
					10	100	1000
95513	LA27B	T1 snap-in	.185"	up to .070"	\$.12	\$.10	\$.08
23077	PT18H013	T1 3/4 ring/clip	.257"	up to .125"	.15	.14	.12
95521	LA30B	Rect. snap in	.306" x .202"	up to .092"	.06	.05	.04

*Manufacturer: Jameco ValuePro

T1 & T1 3/4 LEDs & LED Mounting Hardware Kit (560 pcs.)

- Includes:**
- 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 153 and labels
 - 10 ea. standard-output LEDs (114673, 34657, 34606, 114681, 104248, 34690, 34711, 34673, 104264, 34761, 104256, 11359, 11797, 2006705, 333569), pgs 21-23 and LED lens mount (14277), left
 - 100 ea. LEDs (202471), pg 20 & (2006730), pg 21
 - 100 ea. LED mounting hardware (95513, 23077), above

***Web Code: CKS**

SAVE \$16

Part No.	Description	Wt. (lbs.)	1	5
84996	560-piece LEDs & LED hardware kit	5.0	\$69.95	\$59.95

LED & LED Hardware Assortment Kit (139 pcs.)

Allows you to mount LEDs for different applications and designs. Eliminates soldering, shrink tubing and terminal crimping.



- 139-piece hardware assortment kit for T1 and T1 3/4 LEDs
- Clear plastic case with dividers
- Size: 8.5"L x 4.5"W x 1.5"H

Part No.	Description	Wt. (lbs.)	1	10
418731	Design Engineer's LED hardware kit	0.4	\$24.95	\$23.95



3 & 10W Constant Current LED Drivers

- Type: AC — DC • Input volt.: 100-240VAC @ 50-60Hz
- 3-watt LED drivers can drive 2 to 8 1-watt LEDs or 1 to 3 3-watt LEDs
- 10-watt LED drivers can drive 3 to 8 1-watt LEDs
- Operating temp. range: -20°C to 40°C
- Plug in type, 7ft. cable with 2.1mm x 5.5mm center positive plug
- UL/CUL/CE approved



Part No.	Mfr. Part No.	Description	Output Volt./Curr.	1	5
2006887	LD-PI7021AF	3-watt LED driver	3-21VDC @ 700mA	\$18.95	\$16.95
2006879	LD-PI3536AF	10-watt LED driver	3-36VDC @ 350mA	17.95	15.95



High Power LEDs, Modules & LED Strips

4 LEVELS OF SAVINGS			
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE

LIGITEK MCD High Power LEDs

- Superior high-flux output and high luminance
- ESD protection
- Lambertian or 'High Dome' LED has a high hemispherical dome with a wider 140° viewing angle
- High dome series projects a wider and clearer light beam



With Heat Sink
(2006895)



Without Heat Sink
(2096780)

* Web Code: HPL

ELECTRONIC LIGHTING KITS

More Kits on pages 166-171



2131207	Decision Maker	\$6.95
2128286	Sound Star	18.95
2136569	Bulb dial Clock	79.95

Part No.	Mfr.	Mfr. Part No.	Power (W)	Color	Volt. @ Curr. (Vf @ If)	Luminous Flux (lm)	Viewing Angle (°)	Pricing		
								1	10	25
2006895	Ligitek	L-HP1PW [†]	1	White	3.2 @ 0.35A	40	90	\$5.95	\$5.25	\$4.75
2096780	MCD	MCDL-L20-350HPCW	1	White	3.2 @ 0.35A	90	140	4.95	4.49	3.95
2096843	MCD	MCDL-L20-350HPCWS [†]	1	White	3.2 @ 0.35A	90	140	5.95	5.25	4.75
2096851	MCD	MCDL-L20-350HPWWS [†]	1	Warm white	3.2 @ 0.35A	86	140	5.95	5.25	4.75
2006908	Ligitek	L-HP3PW [†]	3	White	3.2 @ 1A	120	90	7.95	6.95	6.25

[†] Represents Star form factor with heat sink

JKL Low Profile LEDs

- Dual connection design allows for mounting several together
- Solid line of linear illumination
- Current: 350mA
- Mount on heat sink for optimal heat dissipation
- Easy screw installation



2153174

Part No.	Mfr.	Part No.	Color	Vf (typ.)	Lumens	Size (L" x W")	1	5	25
2153166	ZLP	42-5CW	Cool white	3.4V	100	1.6 x 0.4	\$6.95	\$6.49	\$5.95
2153174	ZLP	90-12WW	Warm white	10.2V	230	3.4 x 0.5	16.95	15.95	14.95

JKL 12-24V LED Dimmer

Control the brightness of single channel constant voltage LED devices and fixtures operating at 12-24VDC. Dim from 100% full brightness to 20% brightness without flickering. Good for display cases, architectural and cove lighting applications.

- 8 amps maximum load
- Operating temperature: 0°F – 140°F

Part No.	Mfr.	Part No.	Size (L" x W")	1	5
2153140	ZDM	-01	2.0 x 3.0	\$16.95	\$14.95

M BlinkM Programmable Smart LEDs



2123629

2123645

2123637

2123653

Prototyping, experimenting and hacking with light is easier than ever with smart LEDs from ThingM. Choose virtually any color, fade between two colors, or make your own blinking sequence with open source software, then install it into your project and illuminate! No knowledge of programming or electronics required.

2123645/2123637/2123653: 24-bit, 4-pin I²C interface

Part No.	Mfr.	P/N	Description	1	5
2123629	LinkM		USB programmer, 4-pin 0.1" I ² C, driverless	\$29.95	\$27.95
2123645	MiniM		6000 mcd, 120° FOV, 3.6-5V op. volt, 60mA max	13.95	12.95
2123637	BlinkM		8000 mcd, 140° FOV, 3.6-5V op. volt, 60mA max	13.95	12.95
2123653	MaxM		445,000 mcd, 30° FOV, 5-24V op. volt, 3A max	24.95	23.49

JKL 12V Festoon LED

- Voltage and current: LE-0603-02; ±12VDC @ 20mA; LE-0603-04; ±24VDC @ 12mA
- Low heat
- Low power consumption with high intensity
- Scratch and shock resistant glass encapsulated
- Size: 43mm (1.7") L x 10.5mm (0.41") Dia.



* Web Code: FES

Shown with Socket (sold separately)

Lamp

Part No.	Mfr.	Part No.	Voltage @ Current	Color	Lumens	1	10	50
2113261	LE	0603-02W	12VDC @ 20mA	White	10.0	\$4.95	\$4.49	\$3.95

Socket

Part No.	Mfr.	Part No.	Description	1	10	50
2113367		2910F-47	Socket	\$6.69	\$5.99	\$5.55

Regulated LED Light Engine Module

This ultra-bright LED may be small in size, but it provides a great amount of light. The single LED boasts 3W of power and 200 lumens! The built-in regulated LED drivers can take an input range of 6-30VDC / AC and it even includes AC to DC reverse polarity protection for added safety.

- Thermal grease included
- Heat sink required



Part No.	Mfr.	Part No.	Color	Volt	Power	Viewing Angle	1	10
2129220	LHS	-01B30-N	White	6-30	3W	120°	\$14.95	\$13.49

Ultra Brite LED Modules with Built-In LED Drivers

* Web Code: LEM

An all-in-one solution to your high power LED lighting needs! Connect directly to any 8-30V battery or power supply without the need for an external LED Driver Module. On-board current regulation circuitry allows the module to operate flawlessly without the need of a heat sink. Only at 1" x 1.25" in size, and linkable up to 30 modules!



Part No.	Mfr.	Part No.	#Leds	Power	Volt.	Color	Viewing Angle	Im	1	5
2125763	LHA	-06B12-N-00	6	150mA	12*	White	120°	87	\$9.95	\$8.95
2113033	LHA	-02B30-G-00	2	40mA	8-30	Green	120°	22	7.95	6.95
2113041	LHA	-06B30-N-00	6	74mA	8-30	White	120°	87	11.95	10.95
2113076	LHA	-06B30-G-00	6	76mA	8-30	Green	120°	65	9.95	8.95

* Unregulated 12V

Flexible Cable RGB LED Strips

This flexible cable LED strip contains 75 surface mount LEDs, each with red, green and blue colors. The strip can be cut into 3 LED sections to fit your lighting application, such as architectural lighting, interior lighting, hallways, under cabinet lighting, boats and automobiles. Connect to the RGB controller, and provide different lighting modes such as flashing mode (fast or slow), slow fade out, and color change mode.



2112647

- Total strip length: 8 feet (P/N 2112647)
- Current requirement: 3A
- Input voltage 12V @ 3 Amps (recommend P/N 155214, pg 107)

Part No.	Mfr.	Part No.	Description	1	5	25
2112647	VLS	5060RGB150-8FT	75 LEDs, 8 ft. LED strip	\$59.95	\$53.95	\$47.95
2155090	VLS	50605MRGB-12V	150 LEDs, 16.4 ft. LED strip	64.95	59.95	54.95
2112655	RGB	-Connect	RGB cable, 12" wire	1.75	1.49	1.35

JAMECO ValuePro

LED Light Strip Modules

- Applications: running light or light source for under cabinets, closets, RVs & enclosures



Part No.	Mfr.	Part No.	Color	Viewing Angle	1	5	25
683235	LS	1255-150A112	Yellow	100°	\$7.95	\$6.95	\$6.25
1586171	UY	19209-627	White	120°	18.95	16.95	15.25

* LED Light Strips — Enter Web Code BDZ

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

LED Strips, Cables, Infrared Emitters & Detectors

Silicone Sealed Flexible LED Strips

Sealed in silicone gel, this ultra flexible, waterproof, and extra durable super bright LED strip can be bent to any shape and angle to fit your ideal lighting application. For indoor and outdoor use, this can be used for lighting up signs, light boxes, boats, motorcycles, automobiles, airplanes, under cabinets, hallways, architectural lighting, and much more.

- 96 LEDs on each 37.7" long strip
- Simple to install and clean
- Color: white translucent silicone gel casing
- Power requirement: 12V @ 640mA (recommend P/N 2006887, pg 25)

* Web Code: BDZ



Part No.	Mfr. Part No.	Color	Brightness (mcd)	Wavelength (nm)	1	5	25
2112698	FS-Blue	Blue	750	427	\$21.95	\$19.95	\$17.95
2112719	FS-White	White	3500	—	29.95	26.95	23.95

Pure White LED SMD Light Ribbon

This LED ribbon strip is flexible and super bright! It puts out a brightness of 1300 mcd per LED and contains about 60 LEDs per meter. Designed for use in interior applications, this light strip is flexible enough to install in confined spaces such as pelmets, coffers and coves. The 120-degree wide angle beam ensures that the surface being illuminated is evenly bright.

- Self-adhesive backing tape for easy mounting
- About 300 total LEDs
- Length: 16.5 feet (5 meters)
- Color: pure white
- 120° wide angle beam for easy viewing and even illumination
- Designed for interior design applications
- 2-wire connection
- Power supply: 12VDC @ 2A (recommend P/N 2006879, pg 25)

Part No.	Mfr. Part No.	Color	1	5	25
2128631	35285M300PW12V	Pure white	\$49.95	\$47.49	\$44.95

Assembled Flex-Lite Colored LED Cables

- Assembled Flex-Lite LED cable kits (5' or 6' lengths)
- Various voltages: 12VDC, 24VDC or 110 Volts
- Sealed LEDs in clear flexible silicon gel
- Includes power supply, power cable and mounting hardware
- Various colors: red, warm white, green, yellow, blue, amber
- Applications: lighting art, accent lighting, under lighting, bookshelves, cupboards, drawers, coin operated machines, trade show exhibit displays

CLOSEOUT

Just Plug It In

* Web Code: FLX



Square 0.41" x 0.50" (5 or 6 ft.)

Part No.	Mfr. Part No.	Color	Voltage	Length	mcd/ft.	Price
2131792	RF-12F-01-ASSBLY	Red	12VDC	6'	5400	\$14.95
2131531	RL-12F-02-ASSBLY	Amber	12VDC	6'	7200	14.95
2131514	RL-12F-08-ASSBLY	Yellow	12VDC	6'	7200	14.95
2131549	RL-12F-04-ASSBLY	Green	12VDC	6'	18000	14.95
2131557	RL-12F-05-ASSBLY	Blue	12VDC	6'	3960	14.95
2131629	RL-15F-01-ASSBLY	Red	110VDC	5'	5400	14.95
2131637	RL-15F-08-ASSBLY	Yellow	110VDC	5'	7200	14.95
2131611	RL-15F-04-ASSBLY	Green	110VDC	6'	18000	14.95
2131602	RL-15F-05-ASSBLY	Blue	110VDC	6'	3960	14.95

Round 0.50" diameter (5 or 6 ft.)

Part No.	Mfr. Part No.	Color	Voltage	Length	mcd/ft.	Price
2131661	RL-12R-01-ASSBLY	Red	12VDC	6'	5400	\$14.95
2131653	RL-12R-08-ASSBLY	Yellow	12VDC	6'	7200	14.95
2131670	RL-12R-04-ASSBLY	Green	12VDC	6'	18000	14.95
2131645	RL-12R-05-ASSBLY	Blue	12VDC	6'	3960	14.95
2131750	RL-15R-01-ASSBLY	Red	110VDC	5'	5400	14.95
2131768	RL-15R-08-ASSBLY	Yellow	110VDC	5'	7200	14.95
2131776	RL-15R-04-ASSBLY	Green	110VDC	6'	18000	14.95
2131741	RL-15R-05-ASSBLY	Blue	110VDC	6'	3960	14.95
2131733	RL-15R-06-ASSBLY	Warm White	110VDC	6'	81000	14.95

Infrared & Visible Light Emitters & Detectors

- Use for remote control and/or for fiber optics

* Web Code: VAP

Fig. 1



Fig. 2

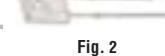


Fig. 3



Fig. 4

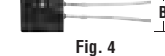


Fig. 5

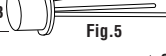


Fig. 6



* Order in multiples of 10

Part No.	Product No.	*Mfr.	Fig.	Description	Size	Diameter inch/mm	Dimensions (inches)				Vt @ If	Wavelength nm	mWatts	Pricing		
							A	B	C	D				1	10	100
2099403	PS5022	JVP	1	Phototransistor	Dome	0.06/1.7	0.13	0.35	0.35	—	5.0 @ 20mA	880	1	*	\$.12	\$.10
790057	LTE-302	LTO	2	Infrared emitter diode (GaAs) side look	Dome	0.06/1.5	0.23	0.63	0.63	0.18	1.2 @ 20mA	940	40	*	.17	.12
112150	LIR2043	LIG	3	Infrared emitter diode (GaAs)	T1	0.125/3	0.18	0.95	0.98	0.03	1.2 @ 20mA	940	5	*	.19	.15
372710	UT0383-41-940	JVP	3	Infrared emitter diode (GaAs)	T1	0.125/3	0.16	0.88	0.94	0.04	1.3 @ 50mA	940	13	.29	.25	.19
1950825	L-34F3CS	JVP	3	Infrared emitter diode (GaAs)	T1	0.125/3	0.20	1.00	1.06	0.04	1.2 @ 20mA	940	80	.39	.35	.29
112176	LPT2023	LIG	3	Infrared phototransistor	T1	0.12/3	0.18	0.95	0.98	0.03	30 @ 0.1A	940	100	.39	.35	.29
2125261	TSHA4400	VSH	3	Infrared emitter diode (GaAlAs) water clear	T1	0.114/2.9	0.13	0.90	1.00	0.04	1.5 @ 100mA	875	20	.25	.19	.15
2120410	RPT-38PB3F	RHM	3	Phototransistor	T1	0.125/3	0.18	0.95	0.98	0.03	5 @ 30mA	800	150	*	.15	.12
1872265	OP505A	OPT	3	Infrared silicon phototransistor	T1	0.125/3.2	0.20	0.50	0.50	0.03	30VBRCE @ 100µA	850	100	.69	.59	.55
1950649	BPV22NF(L)	OPT	4	High speed photo diode	T1 3/4	0.195/5	0.24	1.00	1.00	—	1.0 @ 50mA	940	215	.65	.59	.49
1623349	SFH484-2	SYL	3	Infrared emitter diode	T1 3/4	0.197/5	0.30	0.50	1.14	1.07	1.5 @ 100mA	880	25	.75	.65	.55
372737	UT1883-81-880	JVP	3	Infrared emitter diode (GaAs) water clear	T1 3/4	0.200/5	0.30	0.88	0.94	0.04	1.5 @ 50mA	880	16	.35	.29	.25
1872151	OP290A	OPT	3	Infrared emitter diode	T1 3/4	0.195/5	0.30	0.75	1.00	0.04	4.0 @ 1.5A	890	333	1.09	.99	.89
106526	LVIR3333	LIG	3	Infrared emitter diode (GaAs)	T1 3/4	0.200/5	0.34	0.78	0.84	0.04	1.2 @ 20mA	940	8	*	.19	.15
372762	UT1883-81-940	JVP	3	Infrared emitter diode (GaAs)	T1 3/4	0.200/5	0.30	0.88	0.94	0.04	1.3 @ 50mA	940	16	.29	.25	.15
1950622	TSHA5502	VSH	3	Infrared emitter diode (GaAlAs)	T1 3/4	0.200/5	0.30	0.97	1.04	0.04	1.5 @ 1mA	870	210	.39	.35	.29
373001	UT1893-91-0125	JVP	3	Infrared phototransistor	T1 3/4	0.200/5	0.34	0.88	0.94	0.04	30 @ 0.1A	870	20	.35	.29	.25
2129385	UT1893-45-0125	JVP	3	Infrared phototransistor	T1 3/4	0.200/5	0.34	0.88	0.94	0.04	30 @ 0.1A	860/940	20	.35	.29	.25
1872441	OP999	OPT	3	PIN silicon photodiode	T1 3/4	0.205/5.3	0.31	0.69	0.75	0.04	1.2 @ 1mA	200	100	1.19	1.09	.99
120221	BPW77NA	VSH	5	NPN phototransistor	TO-18	0.18/4.69	0.24	0.19	0.52	0.01	70VCEO @ 50mA	850	250	1.95	1.75	1.49
1872759	OPB704WZ	OPT	6	Infrared emitting diode/phototransistor	—	0.61/15.5	0.61	24	24	—	1.7 @ 40mA	890	68	4.95	4.49	3.95

MORE LED PRODUCTS ON THE WEB

LEDs and other optoelectronics come in many different forms and packages. If you don't find what you need in the catalog, there is a high chance you will find it on the website at www.Jameco.com.



2006924

Part No.	Description	1	10
2006924	3W Power LED driver module	\$29.95	\$26.95
2005315	LED rectangular light bar	.59	.49
372745	T1-3/4 infrared emitter diode	.29	.25

* JVP = Jameco ValuePro | LIG = Ligitex | LTO = Lite-On | OPT = Optek | RHM = Rohm | SYL = Sylvania | VSH = Vishay

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com



7, 14 & 16-Segment LED Displays

★ Web Code: PBW

Soldering:

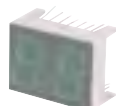
- Soldering bath: not more than 5 seconds @ 260°C
- Soldering iron: not more than 3 seconds @ 300°C under 30W



Single Digit LHDP
(2082265)



Single Digit RHDP (14-seg.)
(2076703)



2-Digit RHDP
(2005358)



2-Digit RHDP (14-seg.)
(2075807)



2-Digit RHDP (16-seg.)
(2005382)



3-Digit RHDP
(1956493)

Single Digit 7-Segment Numeric LED Displays

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Bus Polarity*	Pins/Leads	Typical VI @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing		
											1	10	100
24732	MCD	GNS-3011BH-11	0.30"	Red	CA	10	1.9 @ 20	0.3 @ 20	697	LHDP/RHDP	\$.99	\$.89	\$.75
24783	MCD	GNS-3011CH-11	0.30"	Red	CC	10	2.1 @ 20	2.5 @ 20	697	LHDP/RHDP	.99	.89	.75
24782	Ligitek	LSD3211-11	0.30"	Red	CC	10	2.1 @ 20	2.5 @ 20	697	LHDP/RHDP	.99	.89	.75
24740	Ligitek	LSD3221-11	0.30"	Red	CA	11	2.1 @ 20	2.5 @ 20	697	LHDP/RHDP	.99	.89	.75
334800	ValuePro	UC3051-11	0.30"	Red	CC	10	2.1 @ 20	0.8 @ 10	700	RHDP	.69	.65	.55
2125237	QT Opto	MANC3940	0.30"	Hi-eff Red	CC	10	2.0 @ 20	5.4 @ 20	635	RHDP	.59	.55	.49
1548027	Avago	5082-7611	0.30"	Hi-eff Red	CA	11	2.1 @ 20	0.8 @ 5	635	RHDP	2.49	2.25	—
2129713	Ligitek	LSD3H66F-20A	0.30"	AlGaInP Red	CA	10	1.7 @ 30	31 @ 30	630	RHDP	.79	.69	.55
2082265	General Instr.	MAN3620A	0.30"	Orange	CA	11	2.5 @ 20	3.3 @ 10	630	LHDP	.39	.29	.25
335011	ValuePro	UA3041-12	0.30"	Orange	CA	11	2.1 @ 20	3.3 @ 10	635	RHDP	.59	.55	.49
320469	ValuePro	UA3031-16-EWRN	0.30"	Yellow	CA	11	3.0 @ 20	2.3 @ 10	585	LHDP/RHDP	.79	.75	.65
2079226	Ligitek	LSD3352-20/RP4	0.32"	Green	CC	14	2.1 @ 20	3.5 @ 10	565	RHDP	.69	.59	.49
2075698	Ligitek	LSD3362-20/RP4	0.32"	Green	CA	14	2.1 @ 20	3.5 @ 10	565	RHDP	.69	.59	.49
1955714	Lite-On	LTS-367R	0.36"	Red	CC	10	1.7 @ 20	0.5 @ 10	655	RHDP	.49	.45	.35
1955722	Lite-On	LTS-4801R	0.40"	Red	CA	10	1.7 @ 20	0.5 @ 10	655	RHDP	.49	.45	.35
2125245	Vishay	TDSR3163-G	0.40"	Red	CC	10	1.6 @ 30	0.18 @ 30	660	RHDP	.59	.55	.45
1955731	Lite-On	LTS-4301R	0.40"	Red	CC	10	1.7 @ 20	0.5 @ 10	655	RHDP	.75	.65	.55
334844	ValuePro	UC4041R-11	0.40"	Hi-eff Red	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	.89	.79	.69
2005411	Lite-On	LTS-4980AHR	0.40"	Hi-eff Red	CC	14	2.1 @ 20	2.2 @ 10	635	RHDP	.69	.55	.45
2075719	Ligitek	LSD4012-20A	0.40"	Green	CC	14	2.1 @ 20	2.5 @ 10	565	RHDP	.69	.59	.49
17209	MCD	GNS-5011BH-11	0.50"	Red	CA	10	2.1 @ 20	0.9 @ 20	697	RHDP	1.09	.99	.89
17187	Ligitek	LSD5051-11	0.50"	Red	CC	10	2.1 @ 20	0.9 @ 20	697	RHDP	1.09	.99	.89
1955749	Lite-On	LTS-5301AR	0.56"	Red	CA	10	1.7 @ 20	0.6 @ 10	655	RHDP	.89	.79	.65
335090	ValuePro	UA5651-11	0.56"	Red	CA	10	2.1 @ 20	0.8 @ 10	700	RHDP	1.09	.99	.89
334896	ValuePro	UC5641R-11	0.56"	Hi-eff Red	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	.99	.89	.79
335101	ValuePro	UA5641R-11	0.56"	Hi-eff Red	CA	10	2.1 @ 20	3.3 @ 10	635	RHDP	.99	.89	.79
104213	Ligitek	LSD5124-10	0.56"	Orange Red	CA	10	2.0 @ 20	2.4 @ 20	635	RHDP	.79	.69	.65
334880	ValuePro	UC5641-11-EWRNR	0.56"	Orange	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	.99	.89	.79
1955773	Lite-On	LTS-6680E	0.56"	Orange	CC	10	2.1 @ 20	2.4 @ 10	630	RHDP	.59	.49	.39
334862	ValuePro	UC5621-11	0.56"	Green	CC	10	2.1 @ 20	2.9 @ 10	567	RHDP	.89	.79	.65
2075735	Ligitek	LSD5122-20/A	0.56"	Green	CA	10	2.1 @ 20	4.5 @ 10	565	RHDP	.69	.59	.49
2075751	Ligitek	LSD5112-20/A	0.56"	Green	CC	10	2.1 @ 20	4.5 @ 10	565	RHDP	.69	.59	.49
2075760	Ligitek	LSD512BKS-20	0.56"	Blue	CA	10	3.5 @ 20	12.8 @ 10	460	RHDP	2.95	2.75	2.49
1955829	Lite-On	LTS-3403AP	0.80"	Red Gap	CC	18	2.1 @ 20	0.95 @ 10	697	LHDP/RHDP	.79	.69	.59
18753	Ligitek	LSD8151-10	0.80"	Red	CC	13	2.1 @ 20	1.0 @ 20	697	RHDP	1.25	1.15	.99
18737	Ligitek	LSD8164-20	0.80"	Orange Red	CA	13	1.6 @ 20	0.9 @ 20	655	RHDP	1.25	1.15	.99
1955837	Lite-On	LTS-3403LY	0.80"	Yellow	CC	18	2.1 @ 20	2.4 @ 10	585	LHDP/RHDP	.69	.59	.49
2005489	Lite-On	LTS-3401LG	0.80"	Green	CA	18	2.1 @ 20	2.4 @ 10	565	LHDP/RHDP	.69	.59	.49
176559	ValuePro	C8021-1	0.80"	Green	CC	13	2.0 @ 20	0.9 @ 20	568	RHDP	.69	.59	.49
97172	Ligitek	LSD10061-10	1.0"	Red	CA	10	2.1 @ 20	2.0 @ 20	697	RHDP	1.49	1.25	1.09
97199	Ligitek	LSD23265-10	2.24"	Red	CA	10	6.8 @ 20	30 @ 20	660	RHDP	4.95	4.49	3.95
97201	Ligitek	LSD23255-10	2.24"	Red	CC	10	1.7 @ 20	21 @ 20	660	RHDP	4.49	3.95	3.59
105591	Ligitek	LSD40054-20	4.00"	Orange Red	CC	10	2.0 @ 20	18 @ 20	635	RHDP	8.95	7.95	7.15

* CA-Common Anode/CC-Common Cathode # LHDP-Left Hand Decimal Point / RHDP-Right Hand Decimal Point ‡ 5 diodes per segment

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

7, 14 & 16-Segment LED Displays (Continued)

★ Web Code: PBW

Single Digit 14 & 16-Segment Alphanumeric LED Displays

Figure images on previous page

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Bus Polarity*	Pins/Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing		
											1	10	100
2076703	Ligitek	LSD3E62-20/A	0.39"	Green	CA	16	2.1 @ 20	3.05 @ 10	565	RHDP	\$1.39	\$1.25	\$.95
2076691	Ligitek	LSD3E6SBKS-20/A	0.39"	Blue	CA	16	3.5 @ 20	7.2 @ 10	475	RHDP	2.95	2.49	1.95
308152	ValuePro	LA5041R-11BRRRN	0.50"	Orange	Alphanumeric	18	2.1 @ 20	7.4 @ 10	635	RHDP	.99	.89	.79
2125253	Kingbright	PSC05-11HWA	0.50"	Bright Red Gap	CC	18	2.0 @ 20	1.9 @ 10	700	RHDP	1.49	1.35	1.19

2-Digit 7-Segment Numeric LED Displays

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Bus Polarity*	Pins/Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing		
											1	10	100
1955781	Lite-On	LTD-2701WC	0.28"	Red	CC	10	1.8 @ 20	3.1 @ 5	660	RHDP	\$.99	\$.89	\$.79
1955845	Lite-On	LTD-383E-R2	0.30"	Red Orange	CA	16	2.0 @ 20	1.6 @ 10	630	RHDP	.89	.75	.59
2075786	Ligitek	LDD4062-20/A	0.40"	Green	CA	16	2.1 @ 20	3.05 @ 10	565	RHDP	1.09	.89	.75
1955861	Lite-On	LTD-432GC	0.40"	Green	CC	16	2.1 @ 20	1.1 @ 10	565	No DP	.89	.75	.59
2005340	Lite-On	LTD-4608B	0.40"	Blue	CA	10	3.8 @ 20	3.6 @ 10	428	RHDP	1.95	1.59	1.25
24715	Ligitek	LDD5121-20	0.56"	Red	CA	18	2.1 @ 20	0.8 @ 20	697	RHDP	1.59	1.39	1.19
24723	Ligitek	LDD5111-11	0.56"	Red	CC	18	2.1 @ 20	0.8 @ 20	697	RHDP	1.59	1.39	1.19
24707	Ligitek	LDD5114-20	0.56"	Orange Red	CC	18	2.0 @ 20	2.4 @ 20	635	RHDP	1.59	1.39	1.19
200539	Arctic	ELD556YWA	0.56"	Yellow	CA	18	2.0 @ 20	1.9 @ 10	590	RHDP	.79	.69	.55
790022	Lite-On	LTD-6410AG	0.56"	Green	CA	18	2.1 @ 20	2.4 @ 10	565	RHDP	1.59	1.39	1.19
2005358	Lite-On	LTD-5623BG	0.56"	Green	CC	18	2.1 @ 20	2.4 @ 10	565	RHDP	1.95	1.75	1.49
2005366	Lite-On	LTD-6440G	0.56"	Green	CC	18	2.1 @ 20	2.4 @ 10	570	RHDP	.99	.89	.79
2075794	Ligitek	LDD512SBKS-20/A	0.56"	Blue	CA	18	3.5 @ 20	58 @ 10	475	RHDP	3.95	3.75	3.49

3-Digit 7-Segment Numeric LED Displays

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Bus Polarity*	Pins/Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing		
											1	10	100
335055	ValuePro	UN4043-13 EWRS	0.40"	Orange	CA	12	2.1 @ 20	3.3 @ 10	635	RHDP	\$1.59	\$1.25	\$1.09
1956493	Lite-On	LTC561R	0.56"	Red	CA	12	1.7 @ 20	0.6 @ 10	665	RHDP	2.25	1.95	1.59
2125229	ValuePro	LN5643R-11	0.56"	Orange	CA	12	2.1 @ 20	4.5 @ 10	630	RHDP	.69	.59	.49
308224	ValuePro	LM5643R-11RRRN	0.56"	Orange	CC	12	2.1 @ 20	7.4 @ 20	630	RHDP	1.95	1.75	1.59
225963	ValuePro	KW3-562A2B	0.56"	Green	CA	28	2.2 @ 20	15 @ 20	568	RHDP	2.49	2.25	1.95

2-Digit 14 & 16-Segment Alphanumeric LED Displays

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Bus Polarity*	Pins/Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing		
											1	10	100
2005382	Lite-On	LTP-4323P	0.40"	Bright Red	CC	20	2.1 @ 20	0.75 @ 10	697	RHDP	\$.89	\$.79	\$.69
2005391	Lite-On	LTP-4323JD	0.40"	AllnGap Hyper Red	CC	20	2.1 @ 20	0.65 @ 10	650	RHDP	.79	.69	.59
1955870	Lite-On	LTP-4323G	0.40"	Green	CC	20	2.1 @ 20	2.0 @ 10	569	RHDP	.79	.69	.59
1955896	Lite-On	LTP-3786S-03	0.54"	AlGaAs Red	CA	18	1.8 @ 20	4.0 @ 10	660	RHDP	.79	.69	.59
1955909	Lite-On	LTP-3785E-01	0.54"	Red Orange	CA	18	2.0 @ 20	2.0 @ 10	630	RHDP	.79	.69	.59
1955917	Lite-On	LTP-3785G-01	0.54"	Green	CA	18	2.1 @ 20	2.0 @ 10	565	RHDP	.79	.69	.59
335222	ValuePro	UA5422-11 EWRS	0.54"	Green	CA	18	2.1 @ 20	2.9 @ 10	567	RHDP	.89	.79	.69
2075807	Ligitek	LDD525SBKS-20/A	0.56"	Blue	CC	18	3.5 @ 20	10.5 @ 10	460	RHDP	3.95	3.75	3.49

4-Digit 7-Segment Numeric LED Displays

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Bus Polarity*	Pins/Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing		
											1	10	100
2006810	Ligitek	LFD2121-20/A-PF	0.28"	Red	CA	12	2.1 @ 20	0.8 @ 10	697	RHDP	\$2.25	\$1.95	\$1.75
2006828	Ligitek	LFD4161-20/A-PF	0.40"	Red	CA	16	2.1 @ 20	0.8 @ 10	697	RHDP	1.95	1.75	1.49
2006836	Ligitek	LFD5221-20/A-PF	0.56"	Red	CA	12	2.1 @ 20	1.0 @ 10	697	RHDP	2.49	2.25	1.95
2005711	Lite-On	LTC-5653G-01	0.56"	Green	CA	12	2.1 @ 20	2.4 @ 10	565	RHDP	1.75	1.59	1.39
1956573	Lite-On	LTC-5848G	0.56"	Green	CA	36	2.1 @ 20	2.4 @ 10	565	RHDP##	1.59	1.35	1.19
335194	ValuePro	UM5624-11-EWRS	0.56"	Green	CC	12	2.1 @ 20	2.9 @ 10	567	RHDP	2.95	2.49	2.19
11360	Lite-On	LTD-585IY	0.56"	Yellow	CA	36	2.1 @ 20	2.1 @ 10	585	RHDP##	1.29	.95	.79

* CA-Common Anode/CC-Common Cathode # LHDP-Left Hand Decimal Point / RHDP-Right Hand Decimal Point ## 1st & 2nd digits only † 16 segment \$ 14 segment

BEST SELLING HIGH OUTPUT LEDs

Part No.	Description	1	10
183222	Blue, water clear, 5mm	\$1.39	\$1.25
320531	White, water clear, 5mm	.99	.89

See pages 20-24 for complete selection of LEDs

RGB HIGH OUTPUT LEDs

Part No.	Description	1	10
2128500	Water clear, 5mm	\$1.95	\$1.75
2152163	Diffused (auto-blink) 10mm	1.79	1.59

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Bar Graph Arrays, Light Bars & Dot Matrix Displays

4 LEVELS OF SAVINGS			
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE



697477

LED Bar Graph Arrays (10 Elements)

334511

★ Web Code: LBW

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Number of Elements	Pins/Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Pricing		
										1	10	100
697477	Lite-On	LTA-1000HR	0.20"	Hi-eff. Red	10	20	2.0 @ 20	2.0 @ 10	635	\$1.09	\$.99	\$.85
334529	ValuePro	UL10000-HR-RAK	0.20"	Red	10	20	2.1 @ 20	1.6 @ 10	635	1.39	1.25	1.09
334537	ValuePro	UL10000-Y-EWAK	0.20"	Yellow	10	20	2.1 @ 20	1.1 @ 10	585	1.39	1.25	1.09
2115531	Ledtronics	LBG1000G3B	0.20"	Hi-eff Green	10	20	2.1 @ 10	5 @ 10	565	.99	.89	.79
697469	Lite-On	LTA-1000G	0.20"	Green	10	20	2.1 @ 20	2.0 @ 10	565	1.19	1.09	.99
334511	ValuePro	UL10000-E-EWAK	0.20"	Green	10	20	2.1 @ 20	1.4 @ 10	567	1.19	1.09	.99
1551402	Avago	HDSP-4832	0.20"	Hi-eff. Red, Yellow, Green	10	20	2.1/2.2 @ 20; 2.1 @ 10	3.5/1.9/1.9 @ 10	635/583/566	7.95	6.95	6.25

Light Bars

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

★ Web Code: LTB

Part No.	Manufacturer	Product No.	Illuminated Color	Light Emitting Area	Package Fig.	Pins/Leads	Typical Forward Volt	Typical Luminosity	Wavelength nm	Pricing		
										1	10	100
1954965	Lite-On	LTL-2600HR	Hi-eff Red	.350" x .150" (2)	1	8	2.1 @ 20	4200	635	\$.29	\$.25	\$.15
1954973	Lite-On	LTL-2800G	Green	.350" x .150" (2)	1	8	2.1 @ 20	4200	565	.29	.25	.15
790188	Lite-On	LTL-2620HR	Hi-eff Red	.350" x .150" (4)	2	16	2.1 @ 20	4200	635	.29	.25	.15
1955001	Lite-On	LTL-2720Y	Yellow	.350" x .150" (4)	2	16	2.1 @ 20	4200	585	.29	.25	.15
334650	ValuePro	UB3541R-11-NRAK	Orange	.350" x .350" (1)	3	16	2.1 @ 20	7800	635	.49	.45	.35
334668	ValuePro	UB3531R-11-NYAK	Yellow	.350" x .350" (1)	3	16	2.1 @ 20	5500	585	.49	.45	.35
334676	ValuePro	UB3521R-11-NGAK	Green	.350" x .350" (1)	3	16	2.1 @ 20	6800	567	.49	.45	.35
790153	Lite-On	LTL-2450Y	Yellow	.750" x .150" (1)	4	8	2.1 @ 20	800	585	.29	.25	.15
2005323	Lite-On	LTL-2685HR	Hi-eff Red	.350" x .750" (1)	5	16	2.1 @ 20	1600	635	.49	.45	.35
2005331	Lite-On	LTL-2885G	Green	.350" x .750" (1)	5	16	2.1 @ 20	1600	565	.49	.45	.35

LED Dot Matrix Displays (5 x 7, 5 x 8 & 8 x 8 Arrays)

5 x 7
Dot Matrix

5 x 8
Dot Matrix

8 x 8
Dot Matrix

★ Web Code: HAV

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Array Polarity*	Pins/Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Pricing		
										1	10	100
218843	ValuePro	CSM57041T-11	0.7"	Red	5 x 7 CC/AR	12	1.8 @ 20	8.0 @ 20	660	\$1.19	\$1.09	\$.99
2005420	Lite-On	LTP-747C	0.7"	AlGaAs Red	5 x 7 AC/CR	12	1.8 @ 20	5.8 @ 80	660	1.29	1.19	.95
2005454	Lite-On	LTP-747E	0.7"	Orange	5 x 7 AC/CR	12	2.0 @ 20	2.0 @ 80	630	.89	.79	.69
2005497	Lite-On	LTP-757G	0.7"	Green	5 x 7 CC/AR	12	2.1 @ 20	2.0 @ 80	565	.99	.89	.75
2132349	ValuePro	LD788BS-SS22	0.8"	Hi-efficiency Red	8 x 8 CC/AR	16	2.0 @ 10	25.9 @ 10	632	3.95	3.59	2.95
1955079	Lite-On	LTP-1557AHR	1.2"	Hi-efficiency Red	5 x 7 CC/AR	14	2.1 @ 20	4.0 @ 80	565/630	.99	.89	.79
2005518	Lite-On	LTP-1557AKA	1.2"	AllnGaP Red Orange	5 x 7 CC/AR	14	2.05 @ 20	3.8 @ 80	621	.99	.89	.79
1955095	Lite-On	LTP-1057AE	1.24"	Red Orange	5 x 7 AC/CR	14	2.0 @ 20	4.0 @ 80	630	.89	.79	.69
2005745	Lite-On	LTP-1057AGNB	1.24"	Green	5 x 7 AC/CR	14	2.1 @ 20	4.0 @ 80	565	1.19	1.09	.99
1955108	Lite-On	LTP-1057AHR	1.54"	Hi-efficiency Red	5 x 7 AC/CR	14	2.0 @ 20	4.0 @ 80	635	.99	.89	—
1955132	Lite-On	LTP-2157AHR-RD	2.0"	Hi-efficiency Red	5 x 7 CC/AR	14	2.0 @ 20	4.8 @ 80	635	1.09	.99	.89
2005753	Lite-On	LTP-2057AE	2.0"	Orange	5 x 7 AC/CR	14	2.0 @ 20	4.8 @ 80	630	1.09	.99	.89
1955116	Lite-On	LTP-2157AE	2.0"	Orange	5 x 7 CC/AR	14	2.0 @ 20	4.8 @ 80	630	1.09	.99	.89
335290	ValuePro	UJ2041-21 EWRN	2.0"	Orange	5 x 7 CC/AR	14	2.1 @ 20	6.0 @ 10	630	1.09	.99	.89
206560	ValuePro	LPTL-21157AQBK1	2.0"	Green	5 x 7 CC/AR	14	2.1 @ 20	4.8 @ 80	565	1.95	1.75	1.49
1955159	Lite-On	LTP-2757AA	2.0"	Green/Red Orange	5 x 7 CC/AR	28	2.1/2.0 @ 20	4.8 @ 80	565/630	2.95	2.59	1.95
1955167	Lite-On	LTP-4157AE	4.0"	Orange	5 x 7 CC/AR	14	4.0 @ 20	96 @ 80	630	2.95	2.49	1.95
1955175	Lite-On	LTP-4157AG	4.0"	Green	5 x 7 CC/AR	14	4.2 @ 20	96 @ 80	565	2.49	2.25	1.95
1955183	Lite-On	LTP-2158AHR	2.3"	Hi-efficiency Red	5 x 8 CC/AR	14	2.1 @ 20	4.0 @ 48	635	.99	.89	.79
1955191	Lite-On	LTP-2158AY	2.3"	Yellow	5 x 8 CC/AR	14	2.1 @ 20	4.8 @ 80	585	1.29	1.19	1.19
2151961	ValuePro	GMM-23881BUEPGUB-11	2.3"	Red/Green/Blue	8 x 8 CC/AR	32	2.0/3.5/3.5 @ 20	110/80/55 @ 20	632/520/470	22.95	21.49	19.95

* AC-Anode Column / AR-Anode Row / CC-Cathode Column / CR-Cathode Row

LED Dot Matrix with Decoder Driver (4 x 7 Hexadecimal Arrays)

★ Web Code: HAV

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Supply Voltage (V)	No. of Characters	Array Polarity	Pins/Leads	Typical mcd	Wavelength nm	Pricing		
											1	10	100
32951	Texas Instruments	TIL311	0.27"	Red	5	1	4 x 7 Hex	11	0.1	660	\$19.95	\$17.95	\$15.95

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Thin Film Transistor Module, OLED & LCD Displays

Organic LED (OLED) Serial/Parallel Displays

Serial Displays

High brightness, high contrast, brilliant display. This display operates in wide temperature ranges, consumes low power, and has EEPROM storage. Choose from 4 font sizes from regular 16 x 2 to huge 8 x 1 characters.

Scott Edwards Electronics, Inc.

*Web Code: OLD



2136382

Part No.	Mfr. Part No.	Characters x Lines	Input Data	Input Voltage (VDC @ mA)	Letters/Backlight	Module Size (in.)	Display Size (in.)	1	5	25
2136382	GLO-216Y	16 x 2 or 8 x 1	9600	3.3 - 5.3 @ 40 (50mA max.)	Yellow/Black	3.2 x 1.4 x 0.2	2.6 x 0.6	\$44.95	\$42.95	\$39.95

Serial/Parallel Graphics Displays

OLED displays are self-luminous and require no backlights providing for brighter, higher contrast displays with thinner design options. With wide viewing angles of 160° or more and a contrast ratio of 2000:1, these displays are the next generation of emissive technology.

2137908/2137916: 8-bit parallel, 3-wire SPI, or 4-wire SPI interface

2137852/2137861: 8-bit parallel, SPI, or I²C interface



2137908

2137861

Part No.	Mfr. Part No.	Input Voltage	Color	Module Size (in.)	Diagonal Size (in.)	Brightness (cd/m ²)	1	5	25
2137908	NHD-3.12-25664UCB2	2.5V	Blue	3.5 x 1.7	3.12	80	\$34.95	\$32.95	\$29.95
2137916	NHD-3.12-25664UCY2	2.5V	Yellow	3.5 x 1.7	3.12	80	34.95	32.95	29.95
2137852	NHD-2.23-12832UCB3	3.0V	Blue	2.5 x 1.7	2.23	120	26.95	24.95	22.95
2137861	NHD-2.23-12832UCY3	3.0V	Yellow	3.5 x 1.7	2.23	120	26.95	24.95	22.95



Serial/Parallel LCD Displays

NEW
MARKED IN PINK

*Web Code: DFD

- Supply voltage: +5V
- Arduino-compatible
- 2160340, 2160403: Also supports graphics and Chinese characters

Part No.	Mfr. Part No.	Characters/Resolution	Communication	Color Backlight-Lettering	Controller	Size (L" x W")	Pricing	
							1	5
2160391	FIT0126	16 characters x 2 rows	Parallel	Green-Gold	KS 0066	3.1" x 1.4"	\$9.95	\$8.95
2160374	FIT0127	16 characters x 2 rows	Parallel	Blue-White	KS 0066	3.1" x 1.4"	9.95	8.95
2160382	FIT0128	16 characters x 2 rows	Parallel	Yellow-Black	KS 0066	3.1" x 1.4"	9.95	8.95
2160358	DFR0063	16 characters x 2 rows	I ² C/TWI	Blue-White	HD44780U	3.2" x 1.4"	19.95	18.49
2160366	DFR0154	20 characters x 4 rows	I ² C/TWI	Blue-White	HD44780U	3.9" x 2.4"	26.95	24.95
2160340	FIT0021	128 x 64 resolution	Serial/Parallel	Blue-Black	ST7920	3.7" x 2.8"	22.95	20.95
2160403	DFR0091	128 x 64 resolution	Serial/Parallel	Blue-White	ST7920	3.7" x 2.8"	27.95	25.95



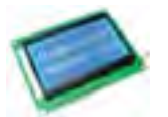
2160391



2160382



2160366



2160403

Parallel LCD Displays

*Web Code: GCG



618003



2118619



2118627



210761



2115469



2118635



658953

Part No.	Mfr.	Mfr. Part No.	Characters x Lines	Character Font	Input Data	Input Voltage (V @ mA)	Letters-Backlight	Notes†	Module Size (W" x H" x D")	Display Size (W" x H")	Pricing		
											1	5	25
2138791	P-Tec	PC1601J-YLFYDLX	16 x 1	5 x 8	8-bit	5.0 @ 2.0	Black-Yellow/Green	—	4.8 x 1.7 x 0.3	3.9 x 0.9	\$7.95	\$6.95	\$5.95
618003	Hantronix	HDM716216H-5-3005	16 x 2	5 x 7	8-bit	5.0 @ 1.25	Black-None	—	3.2 x 1.4 x 0.3	2.5 x 0.5	9.95	8.95	7.95
1946068	Tinsharp	C-1602A-1YN	16 x 2	5 x 8	8-bit	5.0 @ 1.0	Black-None	—	2.8 x 1.4 x 0.4	2.6 x 0.6	8.95	7.95	6.95
2118619	Newhaven	NHD-021682-FL-YBW	16 x 2	5 x 8	4-bit or 8-bit	5.0 @ 1.5	Blue-Yellow/Green	4, 5	3.3 x 1.7 x 0.5	2.5 x 0.6	10.95	9.95	8.95
1585979	Tinsharp	TC1602B-B	16 x 2	5 x 8	8-bit	5.0 @ 1.3	Black-Blue	—	3.1 x 1.4 x 0.4	2.5 x 0.4	14.95	13.49	11.95
2118598	Newhaven	NHD-0216K1Z-NSW-BBW-L	16 x 2	5 x 8	4-bit or 8-bit	5.0 @ 1.5	White-Blue	4, 5	3.2 x 1.4 x 0.5	2.5 x 0.6	10.95	9.95	8.95
2118627	Newhaven	NHD-0216SZ-NSW-BBW	16 x 2	5 x 8	4-bit or 8-bit	5.0 @ 1.5	White-Blue	4, 5	4.8 x 1.7 x 0.5	3.9 x 0.9	17.95	15.95	14.49
2138783	P-Tec	PC1602J-YLFYDLX	16 x 2	5 x 8	8-bit	5.0 @ 2.0	Black-Yellow/Green	—	4.8 x 1.7 x 0.3	3.9 x 0.9	8.95	7.95	6.95
2081166	Optrex	DMC16249	16 x 2	5 x 8	4-bit or 8-bit	5.0 @ 3.0	Black-Grey -None	—	3.1 x 1.4 x 0.4	2.5 x 0.5	8.95	7.95	6.95
210761	ValuePro	UC-16401 (Samsung)	16 x 4	5 x 8	4-bit or 8-bit	6.5 @ 2.2	Black-None	2, 7	3.4 x 2.4 x 0.3	2.4 x 1.0	14.95	13.49	11.95
2115469	Hantronix	HDM20216H-3-VH0P	20 x 2	5 x 7	8-bit	5.0 @ 2.2	Yellow-White-None	—	4.6 x 1.5 x 0.4	3.3 x 0.7	7.95	6.95	5.95
2155372	ValuePro	HC20216NYU-LYVO	20 x 2	5 x 8	8-bit	5.0 @ —	Black-Yellow/Green	8	5.7 x 1.7 x 0.6	4.8 x 0.9	15.95	14.49	11.95
171724	ValuePro	AC-202A	20 x 2	5 x 8	8-bit	5.0 @ 1.7	Black-Yellow/Green	1, 2	4.6 x 1.5 x 0.4	3.3 x 0.7	21.95	19.95	17.95
2118635	Newhaven	NHD-0220DZ-FL-YBW	20 x 2	5 x 8	4-bit or 8-bit	5.0 @ 1.5	Blue-Yellow/Green	4, 5	4.6 x 1.5 x 0.4	3.3 x 0.7	16.95	14.95	13.49
2158207	Tianma	TM204JAA7	20 x 4	5 x 8	8-bit	5.0 @ 1.4	Blue-Black/White	—	3.0 x 1.8 x 0.4	2.3 x 0.0	14.95	13.49	11.95
2118643	Newhaven	NHD-0420DZ-FL-YBW	20 x 4	5 x 8	4-bit or 8-bit	5.0 @ 3.5	Blue-Yellow/Green	4, 6	3.9 x 2.4 x 0.6	3.0 x 1.0	21.95	20.49	18.95
658937	Hantronix	HDM40216L-4-LCWF	40 x 2	5 x 7	8-bit	5.0 @ 3.0	Black-Yellow/Green	2	7.2 x 1.3 x 0.6	6.1 x 0.6	19.95	17.95	15.95
658953	Hantronix	HDM64GS12L-4-N31S	128 x 64	128 x 64	8-bit	5.0 @ 2.0	Black-None	3	3.0 x 2.1 x 0.4	2.4 x 1.3	19.95	17.95	15.95
2155428	Hantronix	HDM3224-1-WJIF	320 x 240	320 x 240	8-bit	7.0 @ 10.0	Grey-White/CCFL	3	6.5 x 4.3 x 0.4	4.8 x 3.6	34.95	31.95	25.95

†1. Controller KS0066U or equivalent

2. Recommended power supply P/N 164101, pg 103

3. Dot Graphic LCD display

4. Recommended power supply P/N 252701, pg 101

5. Controller SPLC780D or equivalent

6. Controller SPLC780D-01 or equivalent

7. Control LSI HD44780 & column driver MSM5259 or equivalents

8. Controller SGA006

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

4 LEVELS OF SAVINGS			
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

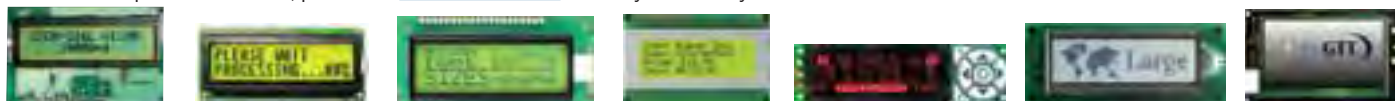
Serial LCD Displays & LED Replacement Lamps

4 LEVELS OF SAVINGS			
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE

Serial LCD Displays

*Web Code: QAW

• For detailed specification sheets, please visit www.Jameco.com. • One-year warranty



		150990	2118651	158166	150957	2152948	281404	2152964		
Part No.	Manufacturer	Mfr. Part No.	Characters x Lines	Input Data	Input Voltage (V @ mA)	Letters - Backlight	Notes†	Module Size (W" x H" x D")	Display Size (W" x H")	Pricing
										1 5
150990	Scott Edwards	ILM-216L	16 x 2	1200-9600	4.8-5.5 @ 5	Black-Yellow/Green	1,2,5	3.2 x 2.0 x 0.5	2.8 x 1.0	\$49.95 \$44.95
2118651	Newhaven	NHD-0216K3Z-FL-GBW	16 x 2	9600 (default)	5.0 @ 125	Blue-Yellow/Green	—	3.2 x 1.4 x 0.5	2.5 x 0.6	18.95 16.95
2118660	Newhaven	NHD-0126K3Z-FS(RGB)-FBW	16 x 2	9600 (default)	5.0 @ 18	Black-RGB	—	3.2 x 1.4 x 0.5	2.5 x 0.6	23.95 21.49
2081975	ValuePro	CFA632-NFA-KS	16 x 2	2400-19,200	5.0 @ 9	Black-None	5	4.3 x 1.7 x 0.6	3.3 x 0.9	14.95 13.49
1533129	Scott Edwards	BPI-216N	16 x 2	2400 or 9600	4.8-5.5 @ 3	Black-None	1,2,8	3.1 x 1.4 x 0.7	2.8 x 1.0	55.95 49.95
174166	Matrix Orbital	LK162-12R	16 x 2	1200-19,200	5.0 @ 9	Black-Yellow/Green	1,3,4,6	3.2 x 1.5 x 0.8	2.5 x 0.7	59.95 56.95
2135638	Value Pro	LK162-12-WB	16 x 2	1200-19,200	5.0 @ 9	White-Blue	1,3,4,6	3.2 x 1.5 x 0.8	2.5 x 0.7	24.95 22.49
2152930	Matrix Orbital	MOS-AL202C-YX	20 x 2	9600-19,200	5.0 @ 198	Black-Yellow/Green	—	7.1 x 1.4 x 1.1	3.3 x 0.7	39.95 37.95
158166	Scott Edwards	SGX-120L	20 x 4 w/ graphics	2400 or 9600	4.8-5.5 @ 15	Yellow-None	1,2,5	3.1 x 1.9 x 0.8	2.6 x 1.1	68.95 61.95
150957	Matrix Orbital	LCD2041	20 x 4	1200-19,200	5.0 @ 10	Black-Yellow/Green	1,3,4,6	3.9 x 2.4 x 0.7	3.0 x 1.0	69.95 66.49
2118686	Newhaven	NHD-0420D3Z-FL-GBW	20 x 4	9600 (default)	5.0 @ 245	Blue-Yellow/Green	1	3.9 x 2.4 x 0.5	3.0 x 1.0	23.95 21.49
157329	Matrix Orbital	LK204-25R	20 x 4 w/ keypad	1200-19,200	5.0 @ 16	Black-Yellow/Green	1,3,4,6	3.7 x 2.4 x 1.1	3.0 x 1.0	74.95 70.95
2152948	Matrix Orbital	LK204-7T-1U-TCL	20 x 4 w/ keypad	9600-12,582,912	4.8-5.3 @ 200	Black-Tri-color	9,10	5.5 x 1.5 x 1.1	3.2 x 1.1	74.95 69.95
281404	Matrix Orbital	GLK12232-25-FGW	122 x 32 w/ graphics	9600-115,000	5.0 @ 20	Black-White	1,7	3.9 x 2.4 x 0.4	3.3 x 1.4	79.95 77.95
2152956	Matrix Orbital	GLK19264-7T-1U-FGW	192 X 64	9600-115,200	5.0 @ 125	Grey-Grey/White	9	5.7 x 1.5 x 1.3	3.2 x 1.1	84.95 79.95
2152964	Matrix Orbital	GTT480272A	480 X 272	9600-115,200	4.8-5.3 @ 455	16-bit color	11	5.2 x 3.1 x 0.9	3.8 x 2.2	239.95 219.95

- † 1. For a power supply, Jameco recommends P/N 164101, pg 103
 2. Includes instruction codes for character generation, cursor control, printing, etc. (Examples for Stamps in PBASIC included) 3. Manual included
 4. Connect 16 modules using the same two wire interface
 5. EEPROM stores text font, settings, and text screen
 6. Backlight control, bar graphs, large digits, multiple displays, software contrast control, auto line wrapping & auto scroll feature
 7. 122 x 32 pixel graphic display, text display using built-in or user supplied fonts, adjustable contrast, backlighting & keypad interface
 8. LCD Serial Backpack® accepts RS232, CMOS or TTL signal
 9. Fits into a 1U opening 10. 3 status LEDs and tactile keyboard 11. Touchscreen

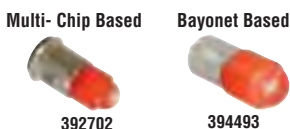
Multi-Chip, Bayonet and Cluster-Based

LED Replacement Lamps

*Web Code: KBZ

585 Series Non-Polarized

- Low current draw – 90% less energy than incandescent • No heat generated
- Long life – up to 100k hours
- Mounts directly into industry standard socket



Multi-Chip Based LED T1 - Midget Flange

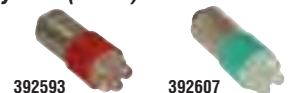
Part No.	Product No.	Color	Nominal Voltage (V)	Forward Current (mA) typ.	Intensity (mcd) typ.	Wavelength (nm)	Pricing		
							1	10	100
392690	585-4125	Yellow	14	20	530	630	\$1.75	\$1.49	\$1.25
392702	585-1225	Red	28	4.5	350	625	1.95	1.75	1.49

Bayonet Based LED T3

394493	585-4125	Red	28	14	350	630	\$1.95	\$1.75	\$1.49
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Cluster-Based LED T3 - Miniature Bayonet (BA9s)

- Replaces incandescent lamp numbers: 44, 47, 313, 755, 1815, 1819, 1847, 1850, 1866, 1889, 1891, 1892, 1893, and 1895



392552	585-5223	Red	14	20	7000	630	\$3.49	\$3.25	\$2.95
392593	585-5225	Red	28	15	6500	630	3.95	3.59	3.25
392607	585-5325	Green	28	15	6000	525	3.49	3.25	2.95
392622	585-5525	Yellow	28	15	6000	588	3.49	3.25	2.95
392632	585-5256	Red	120VAC	5.5	6500	625	3.49	3.25	2.95
392649	585-5356	Green	120VAC	5.5	7000	525	3.95	3.59	3.25

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Full Touchscreen Graphic USB LCD Panel

- Displays graphics and text in any font, style, justification and language
- 256kB on-board memory for customizable fonts and graphics
- Customizable backlight brightness, screen contrast, and baud rate
- Tri-color text with black background
- 240 x 64 pixel resolution
- Communication speeds up to 115.2kbps
- Single USB protocol for easy connection
- Fits into a 1U opening • Display size: 3.9"W x 1.1"H
- Power consumption: 4.75-5.25V @ 205mA



Part No.	Mfr. Part No.	Module Size (W x H x D)	1	5
2152972	GLT24064R-1U-USB-TCL	4.4" x 1.5" x 1.1"	\$179.95	\$169.95

JKL

Wedge Base LED Lamps

*Web Code: WBL

Wedge LEDs can replace filament bulbs commonly found in automotive and water craft applications. The LEDs feature an integrated diode for reverse voltage protection and a current limiting resistor.



Part No.	Product No.	Volt. @ Current	Color	Wavelength	Lumens	1	10	100
2123371	LE-0503-03W	12VDC @ 15mA	White	X=0.3; Y=0.29	2.5	\$1.25	\$1.09	\$0.99

Electroluminescence Wire

*Web Code: BDZ

Imagine the possibilities of transforming ordinary objects with high tech visual effects. Wrap this fluorescent wire around any object such as musical instruments, models, science projects & presentation boards. Super charge your projects w/ brilliant color.



- Powered by 2 AA batteries

Part No.	Mfr. Part No.	Color	Length	1	5	25
263484	NWRB15	Blue	4.5'	\$22.95	\$19.95	\$17.95

Water Clear Lens RGB LEDs

*Web Code: RGB

Now you can have red, green, and blue (RGB) colors from one single LED that provides high radiant power and intensity.

Complete selection of LEDs on pages 20-27

- LED size: T1¼ (5mm) • Lens color: water clear • 4 lead connection
- Can be color-mixed with PWM output to create virtually any color

Part No.	Mfr. Part No.	Type	1	10	100
2125181	MCDL-5T8R6G5B6C	Common cathode	\$1.95	\$1.75	\$1.59
2128500	MCDL-5013RGBCL-TL-A	Common anode	1.95	1.75	1.59



Panel Mount Indicators (LED, Incandescent, Neon)

★ Web Code: SOL

These bright indicator lights come equipped with quick and easy connections. They come in many different types for your specific needs.

- 14/28/125/250/277/480 volts • .187"/.250" tabs; clamp screw; stripped & tin wires termination • Red, amber, yellow, green, blue or white • UL/CUL/TUV/CE approved
- KF 12/13 series: • 22mm (0.88") mounting hole • Hex nut and panel seal mounting hardware • Housing: PBT w/ 20% glass
- Lens and hex nut: polycarbonate • Diffuser: polyacetal



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8

Part No.	Mfr. Part No.	Fig.	Voltage (V)	Color	Mounting Hole	Type	Termination	1	10	100
2126467	1912-X-00-342-10	1	14	Red	0.312"	LED	15" white wires	\$.69	\$.59	\$.49
2126475	1912-X-00-342-11	1	14	Red	0.312"	LED	15" black wires	.79	.69	.59
2129511	2935-1-12-393-1	2	14	Red	0.51"	Incandescent	6" wires	.99	.89	.79
2129414	3335-4-50-183-A	3	14	Red (oil indicator)	0.375" x 1.28"	Incandescent	0.250" tabs	.49	.39	.29
2129457	3335-4-50-183-A-1001	3	14	Red (temp indicator)	0.375" x 1.38"	Incandescent	0.250" tabs	.49	.39	.29
2126504	4312-1-20-010-10	4	14	Red	0.173"	LED	6" wires	.79	.69	.59
2126432	KE12-4-03-01010	5	14	Red (translucent lens)	0.63"	LED	0.250" tabs	.79	.69	.59
2126782	KF12-6-xx-AB210 *	7	14	Red (white base)	0.88"	LED	Clamp screw	1.49	1.25	1.09
2126740	KF12-6-20-AB280 *	6	14	Yellow (black base)	0.88"	LED	Clamp screw	1.95	1.75	1.49
2126707	KF12-6-20-AD280 †	8	14	Yellow (black base)	0.88"	LED	Clamp screw	1.25	1.15	.99
2129406	3435-4-50-193	9	14	Amber/Green (R/N indicator)	0.375" x 1.28"	Incandescent	0.250" tabs	.49	.39	.29
2126424	KE12-4-03-01020	5	14	Amber (translucent lens)	0.63"	LED	0.250" tabs	.69	.59	.49
2126416	KE12-4-03-01040	5	14	Green (translucent lens)	0.63"	LED	0.250" tabs	.79	.69	.59
2126791	KF12-6-xx-AB240 *	7	14	Green (white base)	0.88"	LED	Clamp screw	1.49	1.25	1.09
2126694	KF12-6-20-AD240 †	8	14	Green (black base)	0.88"	LED	Clamp screw	1.95	1.75	1.49
2126408	KE12-4-03-01050	5	14	Blue (translucent lens)	0.63"	LED	0.250" tabs	.79	.69	.59
2126723	KF12-6-20-AB250 *	6	14	Blue (black base)	0.88"	LED	Clamp screw	1.49	1.25	1.09
2126766	KF12-6-xx-AB250 *	7	14	Blue (white base)	0.88"	LED	Clamp screw	1.49	1.25	1.09
2126731	KF12-6-20-AD250 †	8	14	Blue (black base)	0.88"	LED	Clamp screw	1.49	1.25	.99
2126395	KE12-4-03-01060	5	14	White (translucent lens)	0.63"	LED	0.250" tabs	.49	.39	.29
2126387	KE12-4-03-050P0	5	14	Pure white (clear lens)	0.63"	LED	0.250" tabs	.49	.39	.29
2131477	6035-1-00-xxx-N/A0	9	14	White (no lens)	0.50" x 0.81"	Incandescent	6" black wires	.49	.39	.29
2126774	KF12-6-xx-AB260 *	7	14	White (white base)	0.88"	LED	Clamp screw	1.49	1.25	1.09
2126660	KF12-6-20-AB260 *	6	14	White (black base)	0.88"	LED	Clamp screw	1.95	1.75	1.49
2126678	KF12-6-20-AD260 †	8	14	White (black base)	0.88"	LED	Clamp screw	1.49	1.25	1.09
2126635	KF13-6-20-AD210 †	8	28	Red (black base)	0.88"	LED	Clamp screw	1.49	1.25	1.09
2126619	KF13-6-20-AB280 *	6	28	Yellow (black base)	0.88"	LED	Clamp screw	1.49	1.25	1.09
2126643	KF13-6-20-AD280 †	8	28	Yellow (black base)	0.88"	LED	Clamp screw	1.49	1.25	1.09
2126601	KF13-6-20-AD250 †	8	28	Blue (black base)	0.88"	LED	Clamp screw	1.49	1.25	1.09
2126598	KF13-6-20-AD260 †	8	28	White (black base)	0.88"	LED	Clamp screw	1.25	1.09	.89
2131485	6039-1-00-xxx-N/A0	9	28	White (no lens)	0.50" x 0.81"	Incandescent	6" black wires	.49	.39	.29
2126184	1850-1-10-201-11	10	125	Red	0.312"	Neon	6"/5" wires	.99	.89	.79
2126483	2415-3-12-216-1	11	125	Red	0.312"	LED	0.187" tabs	.79	.69	.59
2129449	2450-3-12-226-1	11	125	Red	0.312"	Neon	0.187" tabs	.79	.69	.59
2126150	2850-1-12-393-1	2	125	Red	0.51" (0.94"L)	Neon	6" wires	1.25	1.09	.99
2129529	2850-1-12-393-1-R	2	125	Red	0.50" (1.28"L)	Neon	6" wires	.79	.69	.59
2129537	3550-1-00-236-1	12	125	Red	0.375"	Neon	6"/12" wires	.69	.59	.49
2129481	6050-1-00-266-1	13	125	Red (w/ red lens cap)	0.81"	Neon	8" wires	.59	.49	.39
2131397	KF125-6-xx-AC680 **	14	125	Yellow (white base)	0.88"	LED	Clamp screw	1.95	1.75	1.49
2129465	6050-1-00-490-0	13	125	Amber (w/o lens cap)	0.81"	Neon	7" wires	.49	.39	.29
2126168	2850-1-12-393-2	2	125	Amber	0.51"	Neon	6" wires	.99	.89	.79
2129490	3350-1-40-183-B	15	125	Amber (heat indicator)	0.375" x 1.28"	Neon	6" wires	.49	.39	.29
2129422	3350-4-50-183-B	3	125	Amber (heat indicator)	0.375" x 1.28"	Neon	0.250" tabs	.49	.39	.29
2126176	2850-1-12-393-4	2	125	Green	0.51"	Neon	6" wires	.79	.69	.59
2131442	KF125-6-xx-AB250 *	14	125	Blue tapered lens (white base)	0.88"	LED	Clamp screw	1.95	1.59	1.25
2131400	KF125-6-xx-AC650 **	14	125	Blue dome lens (white base)	0.88"	LED	Clamp screw	1.95	1.59	1.25
2131469	KF125-6-xx-AB260 *	14	125	White tapered lens (white base)	0.88"	LED	Clamp Screw	2.95	2.59	2.39
2131426	KF125-6-xx-AC660 **	14	125	White dome lens (white base)	0.88"	LED	Clamp screw	1.95	1.59	1.25
2129502	3452-1-40-193-A	16	250	Red (1 / 2 indicator)	0.375" x 1.28"	Neon	8" wires	.99	.89	.79

* Tapered lens cap

** Semi-dome lens cap

† Flat-top lens cap

Continued on next page

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

4 LEVELS OF SAVINGS			
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

Panel Mount Indicators, Lamps & Power Supplies

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Panel Mount Indicators (Continued)

Figure images on previous page

* Web Code: SOL

Part No.	Mfr. Part No.	Fig.	Voltage (V)	Color	Mounting Hole	Type	Termination	1	10	100
2129545	4416-1-20-010-1	17	250	Red	0.250"	LED	9" wires	\$.39	\$.29	\$.19
2129473	1052-1-00-266-4	13	250	Green (w/ green lens cap)	0.81"	Neon	8" wires	.49	.39	.29
2129431	3052-3-12-393-4	18	250	Green	0.50" x 0.81"	Neon	0.187" tabs	.99	.89	.79
2131493	6052-4-00-xxx-N/A0	9	250	White (no lens)	0.54"	Neon	0.25" male QC	.49	.39	.29
2126512	2954-X-11-373-10	19	480	Red	0.50"	Neon	15" wires	.49	.39	.29



Fig. 20



Fig. 21



Fig. 22



Fig. 23



Fig. 24

Neon Bulbs

* Web Code: NOB

Part No.	Mfr. Part No.	Fig.	Description	1	10	100
2129553	9950-X-00-00000-0002	20	125V Neon bulb with 46k resistor, 2" wires	\$.29	\$.25	\$.19
2129570	9950-X-00-00000-0003	21	125V Neon bulb with 220k resistor, 1 1/2" wires	.39	.29	.19
2129561	9953-X-00-00000-0001	22	277V Neon bulb with 120k resistor, 2" wires	.39	.29	.19

Accessories for KF Series Indicators

* Web Code: KFA

Part No.	Mfr. Part No.	Fig.	Description	Color	1	10	100
2126820	KF12/KF13-LENS-AB210	23	Lens for KF Series Indicator	Red	\$.19	\$.17	\$.14
2131338	KF12/KF13-LENS-AB240	23	Lens for KF Series Indicator	Green	.19	.17	.14
2131320	KF12/KF13-LENS-AB250	23	Lens for KF Series Indicator	Blue	.19	.17	.14
2126803	KF12/KF13-LENS-AB260	23	Lens for KF Series Indicator	Clear	.19	.17	.14
2131389	KF12/KF13-BASE CVR-AB210	24	Terminal Base Cover for KF Series Indicators	Red	.19	.17	.14
2131362	KF12/KF13-BASE CVR-AB280	24	Terminal Base Cover for KF Series Indicators	Yellow	.19	.17	.14
2131371	KF12/KF13-BASE CVR-AB240	24	Terminal Base Cover for KF Series Indicators	Green	.19	.17	.14
2131354	KF12/KF13-BASE CVR-AB250	24	Terminal Base Cover for KF Series Indicators	Blue	.19	.17	.14
2131346	KF12/KF13-BASE CVR-AB260	24	Terminal Base Cover for KF Series Indicators	White	.19	.17	.14

Neon Panel Mount Lamps

- Input voltage: 120V
- Mounting hole dia.: 5/8" (16mm)
- Solder terminals: 0.196" (5mm)
- 215803
- 1585485
- * Web Code: JBJ
- Rectangular
- 6" wire leads
- Size: .91" L x .38" W x .77" D

Part No.	Cross Ref. No.	Color	1	10	100
215803	R9-71N-05-120V-R	Red	\$.19	\$.17	\$.15
215812	R9-71N-05-120V-Y	Yellow	2.25	1.95	1.75
215830	R9-71N-05-120V-G	Green	1.49	1.35	1.19
1585485	32501001714	Green	.....	.....	.19

Incandescent/Neon Panel Mount Lamps

- Mounting hole: .310" Dia.
- Color: red
- 2099788: Incandescent type
- 2.7VDC @ 60mA
- 1765849: Neon type
- 105VAC to 125VAC

Part No.	Mfr. Part No.	Lead Wire	1	10	100
2099788	970D00146*	10"	\$.39	\$.35	\$.29
1765849	2150A1	4.4/4.8"	2.29	1.95	1.69

* Manufacturer: Jameco ValuePro

Ultraviolet Lamp & Ballast (Rapid Start)

Part No.	Mfr.	Mfr. Part No.	Description	1	10	100
2100128	Philips	TUV25W/G25	20" T5 ultraviolet lamp	\$2.95	\$2.75	\$2.49
2100005	Lightwave	LW20EB20-120	25W rapid start ballast	2.95	1.95	1.59

BEST SELLING PANEL MOUNT INDICATORS

Part No.	Voltage	Color	1	10	100
2126504	14V	Red	\$.79	\$.69	\$.59
2126601	28V	Blue	1.49	1.25	1.09
2126176	125V	Green	.79	.69	.59

See page 33 for complete selection



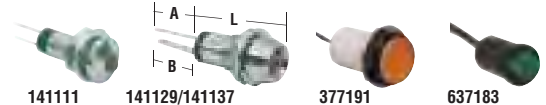
Great for Indoor Lighting Projects!

LED Panel Mount Indicators

* Web Code: SOL

- Easy panel installation
- Panel/status/instrument indicators

141111/141129/141137: Chrome housing



Part No.	Cross Ref. No.	Mfr.	LED Size	Color	Dimensions (in.)			Mounting Hole	Vt @ If	Pricing		
					L	A	B			1	10	100
141111	L922SRD	JVP	T1	Red	.56	.34	.25	.23"	2V @ 20mA	\$1.09	\$.99	\$.79
141129	L913RD	JVP	T1	Red	.56	.39	.32	.24"	2V @ 20mA	1.19	1.05	.95
141137	L917RD	JVP	T1 3/4	Red	.70	.55	.47	.31"	2V @ 20mA	1.19	1.05	.95
377191	577-1702-203-R*	DIA	0.7"	Yellow	1.40	5.0	5.0	.69"	5V @ 80mA	1.49	1.25	1.09
637183	UT2U1G-H113-R801-W05†	JVP	T1 3/4	Green	.55	5.5	5.5	.24"	12V @ 10mA	.89	.79	.69
2158936	UT2U1W-H113-R801-1739	LED	T1 3/4	White	.55	5.5	5.5	.24"	12V @ 30mA	.95	.85	.75

* Watertight, plastic housing w/ connector

† Has internal resistor to run 12V @ 10mA

12V Incandescent Panel Mount Lamps

* Web Code: JBJ

- 215715: Solder terminals - 0.196" (5mm)

Part No.	Cross Ref. No.	Fig.	Color	Mounting Hole	Wire Length	1	10	100
215750	R9-55B-W130-12V-R	1	Red	9/32" (7mm)	4.9" (120mm)	\$1.49	\$1.35	\$1.19
215758	R9-55B-W130-12V-Y	1	Yellow	9/32" (7mm)	4.9" (120mm)	1.25	1.09	.99
215766	R9-55B-W130-12V-G	1	Green	9/32" (7mm)	4.9" (120mm)	1.65	1.55	1.39
215774	R9-46B-W100-12V-R	2	Red	1/2" (13mm)	3.9" (100mm)	1.49	1.35	1.19
215782	R9-46B-W100-12V-Y	2	Yellow	1/2" (13mm)	3.9" (100mm)	.69	.59	.55
215715	R9-71B-05-12V-R	3	Red	5/8" (16mm)	Terminals	2.25	1.95	1.79

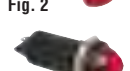


Fig. 3

10" & 12" Fluorescent Lamps & Power Supply

Now you can easily and affordably mount these fluorescent lamps to add cool cold-cathode effects and give your display a richer look and feel.

* Web Code: ABP

Part No.	* Mfr.	Mfr. Part No.	Description	Size (L" x Dia.)	1	10	25
2077458	JKL	FLC10-16	Cool white lamp†	10 x .160	\$.75	\$.69	\$.59
2077466	JKL	FLC12-12	Cool white lamp†	12 x .120	.75	.69	.59
2077440	VLM	FLPS	12VDC power supply for above lamps		5.95	5.39	4.79

† 1" solder terminals

2077466

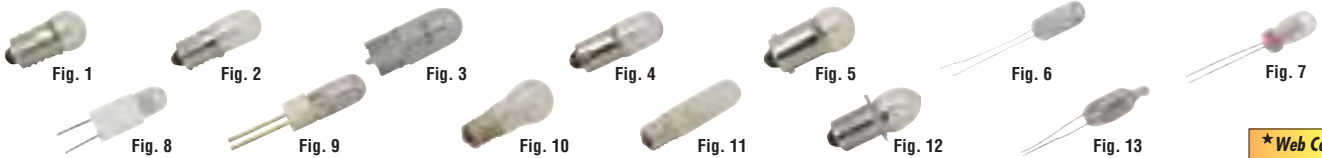
2077440



* DIA = Dialight | JKL = JKL Components | JVP = Jameco ValuePro | LED = Ledtech | VLM = Velleman Inc.

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Incandescent & Neon Lamps



* Web Code: DBH

JAMECO ValuePro

Incandescent Lamps

* Order in multiples of 10

Part No.	Cross Ref.	Fig.	Description	Volts	MSCP	1	10	100
209390	14	1	G3 1/2 miniature screw	2.47	.50	.45	.39	.35
209402	40	2	T3 1/4 miniature screw	6.3	.50	.39	.35	.29
209411	44	3	T3 1/4 miniature bayonet	6.3	.90	*	.15	.12
209429	46	2	T3 1/4 miniature screw	6.3	.90	.35	.29	.25
209437	47	4	T3 1/4 miniature bayonet	6.3	.50	.35	.29	.25
209453	53	5	G3 1/2 miniature bayonet	14.4	1.0	*	.15	.12
209509	161	3	T3 1/4 wedge	14	1.0	*	.12	.09
141073	2182	6	T1 3/4 wire terminal	14	.34	.49	.45	.39
1943916	CM8-A241	7	T1 wire terminal w/ blue cap	12	.15	.39	.35	.29
141066	2200	6	T1 3/4 wire terminal	5	.05	.49	.45	.39
210008	7328	8	T1 3/4 bi-pin	6	.60	.69	.59	.55

JAMECO ValuePro

Incandescent Lamps (Cont.)

* Order in multiples of 10

Part No.	Cross Ref.	Fig.	Description	Volts	MSCP	1	10	100
210032	7382	7	T1 3/4 bi-pin	14	.30	.65	.59	.55
210083	7839	9	T1 bi-pin	28	.15	.25	.22	.19
309673	6S6	10	S6 candelabra	120	—	*	.07	.06
309681	20T6	11	T6 1/2W intermediate	120	—	*	.09	.08
210340	PR2	12	B3 1/2 snl cont. mini flange	2.38	.80	*	.07	.06
210374	PR6	12	B3 1/2 snl cont. mini flange	2.47	.45	*	.09	.07

JAMECO ValuePro

Neon Lamps

* Order in multiples of 10

* Web Code: VAD

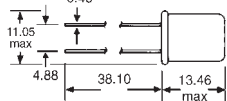
Part No.	Cross Ref.	Fig.	Description	Voltage	1	10	100
27351	A1A (NE-2)	13	Wire terminal .6mA	65-120	.35	.29	.25
210260	A9A (NE-2E)	13	Wire terminal .7mA	65-120	*	.19	.15
210315	C2A (NE-2H)	13	Wire terminal	65-120	.35	.29	.25

Crystals & Oscillators

JAMECO ValuePro

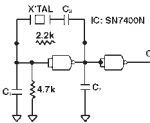
Crystals

- Frequency calibration tolerance: ± 50 ppm @ 25°C
- Freq. stability tolerance: ± 50 ppm from -10° to +60°C
- Operating temperature: -10°C to +60°C
- Shunt capacitance: 7pF max.
- Drive level: 4.0mW max.



HC49/U (HC18/U) Case

Dimensions in millimeters



C1: 150-470 pF

C2: 220-820 pF

C3: Match crystal impedance

Application Reference (4-14MHz) (parallel resonance)

* Web Code: EAU

HC49/US Low Profile Case

HC49/US Low Profile Case

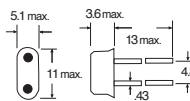
* Order in multiples of 10

Part No.	Frequency (MHz)	Impedance	Pricing		
			1	10	100
324962	4.0	20pF	.59	.55	.49
324929	5.0	20pF	.59	.55	.49
324902	5.0688	20pF	*	.22	.19
324865	6.0	Series	*	.10	.08
324857	6.144	32pF	*	.10	.08
324849	6.500	20pF	*	.10	.08
324814	7.68	20pF	*	.10	.08
324769	9.0	Series	*	.22	.19
324742	9.216	Series	*	.22	.19
325227	11.0592	20pF	.29	.25	.22
325198	12.0	20pF	.29	.25	.22
325139	16.0	20pF	.59	.55	.49
325113	18.432	20pF	.49	.45	.39
325075	19.6608	7pF	*	.10	.08
325964	19.6608	20pF	*	.10	.08
325068	20.00	20pF	.59	.55	.49
325041	20.48	20pF	*	.10	.08
325024	24.0	20pF	.59	.55	.49

† Industrial temperature range is -40°C to 85°C

HC49/S Low Profile Case

- Operating temp.: -10 to +60°C
- ± 5 ppm/year max.
- Drive level: 0.5mW (fundamental frequency)
- Frequency stability tolerance: ± 50 ppm



Part No.	Comparable:	Freq. (MHz)	Imped.	Pricing		
				1	10	100
137832	CY4LP	4.0	17pF	.49	.35	.29
137859	CY8LP	8.0	Series	.35	.29	.25
137875	CY11.05LP	11.0592	Series	.49	.35	.29
137891	CY16LP	16.0	Series	.49	.35	.29

SMD Oscillator

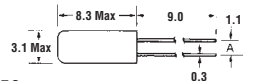
5.0V HCMOS/TTL output

- Frequency stability: ± 100 ppm
- Dimensions: 7.5mmW x 1.5mmH x 5.2mmD

Part No.	Mfr. Part No.	Freq. (MHz)	Imped.	Pricing		
				1	10	100
1592263	F3345-200	20	25mA	\$1.45	\$1.29	\$1.15

Tuning Forks

- Operating temperature range: -10°C to +60°C
- Frequency: 32.768kHz
- Drive level: 1mW
- Frequency tolerance: ± 50 ppm
- Aging for first year: ± 3 ppm (max. +25°C)



Part No.	Comparable to:	Imped.	1	10	100
14584	CY32.76	10.5pF	.49	.45	.39
325244	JVP-325243	12.5pF	.49	.45	.39

PROGRAMMABLE 555 TIMERS



Micro-power versions of the popular 555 timers operate on current under 5 μ A and a minimum supply voltage of 1.2V make them perfect for battery-power

- Six-decade programmable counter
- Configuration data stored in EEPROM
- Temperature compensated

Part No.	Description	1	5
2146425	SOIC-8	\$1.69	\$1.55
2146433	DIP-8	1.95	1.75
2146441	SOIC-8*	2.09	1.89
2146450	DIP-8*	2.35	2.09
2146468	Evaluation kit	74.95	69.95

* Has internal timing capacitor

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

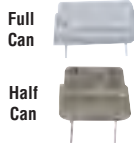
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NAME BRANDS	4 LEVELS OF SAVINGS	FACTORY OVERRUN	DOLLAR SALE

Oscillators & Fuses

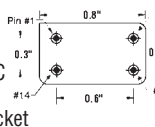
JAMECO ValuePro TTL Oscillators

- Frequency stability $\pm 100\text{ppm}$
- Operating temperature: 0°C to 70°C
- Output load TTL: 10 TTL max.
- Machine tooled 4 pins



Full Can

- Input volt.: $+5\text{VDC} \pm 0.5\text{VDC}$
- Most fit into a 14-pos. DIP socket P/N 133006, below



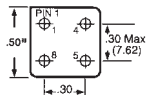
Pin #	Function
1	N/C
7	GND
8	Output
14	+5VVs

* Web Code: XAD

Part No.	Frequency (MHz)	Max. Input Current	Rise Fall Time	Pricing		
				1	10	100
27861	1.0	7mA	15ns	\$1.95	\$1.79	\$1.59
27879	1.8432	7mA	15ns	1.95	1.79	1.59
27924	2.0	7mA	15ns	1.49	1.35	1.19
27967	4.0	7mA	10ns	1.95	1.79	1.59
354889	4.0	15mA	10ns	.99	.89	.79
27991	8.0	15mA	15ns	1.95	1.79	1.59
325331	9.216	30mA	10ns	.65	.59	.45
27887	10.0	15mA	10ns	1.95	1.79	1.59
27895	12.0	15mA	10ns	1.49	1.35	1.19
27932	20.0	17mA	10ns	.99	.89	.79
354918	20.0	30mA	10ns	.95	.85	.75
2135321	24.0	30mA	8ns	.69	.59	.49
27941	32.0	18mA	7ns	.69	.59	.49
76822	33.0	18mA	6ns	1.95	1.79	1.59
153226	40.0	15mA	6ns	.99	.89	.79
76831	50.0	25mA	6ns	.55	.45	.35
2095381	60.0	65mA	5ns	.85	.79	.75
325420	66.666	70mA	5ns	.75	.69	.65

Half Can

- Input voltage: $+3.3\text{VDC} \pm 10\%$
- Most fit into a 8-pos. DIP socket P/N 676385, below



Pin #	Function
1	N/C
4	GND
5	Output
8	+3.3VVs

* Web Code: MAM

Part No.	Frequency (MHz)	Max. Input Current	Rise Fall Time	Pricing		
				1	10	100
325462	1.0	15mA	10ns	\$1.29	\$1.19	\$1.09
325471	1.2288	15mA	10ns	.75	.69	.65
325518	3.6864	15mA	10ns	.95	.85	.75
325526	4.0	15mA	10ns	1.19	1.09	.95
102779	10.0	30mA	6ns	1.19	1.09	.95
325631	16.257	30mA	10ns	.75	.69	.65
325649	18.432	30mA	10ns	.95	.85	.75
325665	20.0	30mA	10ns	1.19	1.09	.95

Crystal Oscillator Sockets

- Good for prototyping and PCB mounting
- Can be PCB mounted without the modifications that would be needed with DIP-IC sockets
- Low profile solder tail; machine tooled on 4 pins



* Web Code: COS

Part No.	Description	1	10	100
676385	8-pos. socket for half can	\$.59	\$.49	\$.39
133006	14-pos. socket for full can	.59	.49	.39

5mm x 20mm Fast Acting Fuse Kit

- Glass cartridge, silver-end caps
- Voltage rating: 250VAC
- IEC127/BS4265/CEE4 spec.
- 100 pieces: 10 ea. of 0.1A, 0.2A, 0.5A, 1A, 1.6A, 2A, 2.5A, 3A, 4A and 5A



Part No.	Mfr. Part No.	1	10	25
645343	K/FF	\$15.95	\$14.95	\$13.95

JAMECO ValuePro Fuses

5mm x 20mm Mini Fast Acting GMA Fuses (250V)

- Recommended for new designs

* Web Code: QAM

Part No.	*Mfr.	Cross Ref.	Amps	1	10	100
103887	JVP	GMA-250mA	.25A	\$.29	\$.25	\$.22
102041	JVP	GMA-500mA	.5A	.29	.25	.22
103908	JVP	GMA-1A	1A	.29	.25	.22
103916	JVP	GMA-2A	2A	.29	.25	.22
103924	JVP	GMA-3A	3A	.29	.25	.22
103932	JVP	GMA-5A	5A	.29	.25	.22

1 1/4" x 1/4" Standard Fast Acting (250V) AGC/3AG Fuses

* Web Code: AAB

Part No.	*Mfr.	Cross Ref.	Amps	1	10	100
69404	JVP	AGC-250mA	.25A	\$.35	\$.29	\$.25
10410	JVP	AGC-0.5	.5A	.35	.29	.25
10373	JVP	AGC-1A	1A	.35	.29	.25
652949	LTL	312001.HXP	1A	.35	.29	.25
197528	JVP	AGC-1.6	1.6A	.35	.29	.25
10382	JVP	AGC-2A	2A	.35	.29	.25
69439	JVP	AGC-3A	3A	.35	.29	.25
197544	JVP	AGC-4	4A	.35	.29	.25
10402	JVP	AGC-5A	5A	.35	.29	.25
197552	JVP	AGC-6.3	6.3A	.35	.29	.25
69462	JVP	AGC-10	10A	.35	.29	.25
186301	JVP	AGC-16	16A	.35	.29	.25

5mm x 20mm Mini Slow Blow GMD Fuses (250V)

* Web Code: RAM

Part No.	*Mfr.	Cross Ref.	Amps	1	10	100
2125659	BSM	GMD-200	0.2A	\$.39	\$.35	\$.29
197502	JVP	GMD-500mA	0.5A	.39	.35	.29
2129836	BEL	5ST(P)630	0.63A	.39	.35	.29
103827	BSM	GMC-1A*	1A	.35	.29	.25
197465	JVP	GMD-1A	1A	.39	.35	.29
197472	JVP	GMD-2	2A	.39	.29	.25
197482	JVP	GMD-3.15	3.15A	.39	.35	.29
197500	JVP	GMD-5A	5A	.39	.35	.29

* Medium time delay type

1 1/4" x 1/4" Standard Slow Blow MDL/3AG Fuses (250V)

* Web Code: EAD

Part No.	*Mfr.	Cross Ref.	Amps	1	10	100
25655	JVP	MDL-1/4A	.25A	\$.59	\$.55	\$.49
25689	JVP	MDL-1/2	.5A	.59	.55	.49
25639	JVP	MDL-1A	1A	.59	.55	.49
25646	JVP	MDL-2	2A	.59	.55	.49
69535	JVP	MDL-3A	3A	.49	.45	.39
25672	JVP	MDL-5A	5A	.59	.55	.49
69570	JVP	MDL-10A	10A	.59	.55	.49

* Fast Acting 3AB Fuses — Enter Web Code ABF

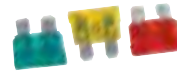
OPTIFUSE

Auto Fuses

Automotive Blade Fuses

* Web Code: ATF

- Standard for all low-voltage battery applications
- Rated at 32VDC



* Order in multiples of 10

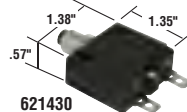
Part No.	Mfr. Part No.	Amps	1	10	100
2135961	APR-30A	30A	\$.25	\$.22	\$.22
2135953	APR-25A	25A	.25	.22	.22
2135945	APR-20A	20A	.25	.22	.22
2135937	APR-15A	15A	.25	.22	.22
2135929	APR-10A	10A	.25	.22	.22
2135911	APR-7.5A	7.5A	.25	.22	.22
2135902	APR-5A	5A	.25	.22	.22
2135890	APR-3A	3A	.25	.22	.22



Circuit Breakers

- Quick connect style terminals (.25")
- Actuator: black plastic button
- Mounting hole: 0.450"
- Current rated for 125/250VAC/32VDC

* Web Code: LCF



Includes: hardware: nut, knurled nut, ID plate

Part No.	Mfr. Part No.	Curr. Rating (A @ VAC)	1	10	100
621376	35-2105	5 @ 125/250	\$3.49	\$2.95	\$2.75
621413	35-2110	10 @ 125/250	3.49	2.95	2.75
621430	35-2115	15 @ 125/250	3.49	2.95	2.75
621448	35-2120	20 @ 125/250	3.49	2.95	2.75



Fuse Holders

* Web Code: UEA

Omni-Blok® Molded Base Fuse Block

- Dielectric strength: 1500V min.
- Clip/terminals: tin plated spring brass
- Solder terminal *1 3AG 2 5x20mm



Part No.	Mfr. Part No.	Curr. Rating	Size*	1	10	100
1711947	354001-GY	15A, 300V	1	\$.95	\$.85	\$.79
1712608	520101	10A, 300V	2	.75	.69	.65

† PCB mount

Panel Mount for 3AG Fuse

- Dielectric strength: 2400V min.
- Black thermoplastic, UL94V-0
- Terminals: copper & copper alloy, tin plated



Part No.	Mfr. Part No.	Curr. Rating	1	10	100
1711681	03420012H	20A	\$2.29	\$2.19	\$2.09

GRAB BAG: 100 ASSORTED CRYSTALS & OSCILLATORS

P/N 114446

A Variety of Frequencies and Packages, see page 39 for more Grab Bags.

ONLY \$7.95



TRAVELER SURGE SUPPRESSOR

P/N 2114618

- 2 outlet, direct plug-in (3 prong)
- 1050 joule, 140V RMS clamping
- Modem/fax line surge suppression
- Perfect for home, office, travel

ONLY \$9.95



* BEL = BEL Fuse Inc | BSM = Bussman | JVP = Jameco ValuePro | LTL = Littelfuse

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Fuse Holders & Clips

* Web Code: UEA

Low Profile Fuse Clips

†1. For GMA/GMD fuses 2. For 3AGC/MDL/AG fuses

- Low contact resistance
- Withstands shock/vibration
- Order in multiples of 10

Part No.	Description	For Use With†	Size (H" x W" x D" x P")	10	100	500
119280	5mm, side leads	1	.33 x .25 x .20 x .21	\$.15	\$.13	\$.09
102860	5mm, front leads	1	.37 x .25 x .21 x .19	.15	.13	.09
2099438	1/4", side leads	2	.42 x .25 x .20 x .21	.09	.08	.07
102842	1/4", front leads (10A)	2	.32 x .27 x .25 x .23	.15	.13	.09

5mm x 20mm Miniature Thumbscrew Cap Holders

- Straight solder terminal
- Size: 1.5"L x 0.6"Dia.

Part No.	Mfr.	Curr. (A @ VAC)	Mounting Hole	1	10	100
150464	ValuePro	6 @ 250	.50"Dia. x .43"Flat	\$1.09	\$.99	\$.89
102825	ValuePro	10 @ 250	.50"Dia.	1.25	1.09	.95
2136331	Optifuse	10 @ 250	.50"Dia. x 0.46"Flat	1.59	1.45	1.29

†Red cap

1/4" x 1/4" Standard Thumbscrew Cap Holders

- Straight solder terminal
- Current: 10A @ 250VAC

Part No.	Mfr.	Size (L x Dia.)	Mounting Hole	1	10	100
120994	ValuePro	1.95" x .71"	.58"Dia. (Double D-style)	\$.95	\$.85	\$.69
18703	ValuePro	2.05" x .71"	.58"Dia. x .52"Flat (D-style)	1.59	1.35	1.19

* Web Code: OFB

Fuse Blocks

Part No.	Mfr. Part No.	Description (Rating)
2136243	BLC-20A	Single, snap-together block for multi-pole applications (125VAC, 15A) (250VAC, 10A)
2136251	BLC-20C	Single, snap-together block for multi-pole applications (125VAC, 8A) (250VAC, 8A)
2136294	BLR-I-301	1-pos. w/ snap-in mount (124VDC, 30A), cover included†
2136278	BLR-I-306	6-pos. w/ snap-in mount (30A per circuit, 100A max input), cover included†
2136286	BLR-I-310	10-pos. w/ snap-in mount (30A per circuit, 100A max input), cover included†

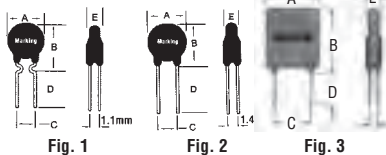
†LED indicator and 1/4" quick connect terminals

Resettable Fuses

* Web Code: SBF

Polymer Positive Temperature Coefficient (PTC) fuses improve product quality performance and are resettable.

- Rated voltage: (V_{MAX}): 60V
- Max. current: (I_{MAX}): 40A
- Lead length (D): 7.6mm min.
- Thickness (E): 3.1mm max.



Part No.	Mfr. P/N	Hold Curr. (I _H , A)	Trip Curr. (I _T , A)	Fig.	Size (mm)				Pricing		
					A	B	C	E	1	10	100
199832	RA020-60	0.20	0.40	1	7.4	12.2	5.1	3.1	\$.49	\$.45	\$.39
199858	RA030-60	0.30	0.60	1	7.4	13.0	5.1	3.1	.59	.55	.49
199874	RA050-60	0.50	1.00	1	7.9	13.7	5.1	3.1	.59	.55	.49
199882	RA065-60	0.65	1.30	1	9.7	14.5	5.1	3.1	.59	.55	.49
199912	RA110-60	1.10	2.20	2	13.0	18.0	5.1	3.1	.59	.55	.49
199938	RA160-60	1.60	3.20	2	16.3	21.3	5.1	3.1	.59	.55	.49
200062	RB500-30	5.00	10.00	3	14.0	24.9	10.2	3.0	.59	.55	.49

TRAVEL SURGE PROTECTORS FOR NOTEBOOK

- Ideal for notebooks, computers and PDAs
- High joule rating: 1130 @ 130VAC, 830 @ 240VAC
- Connects inline between AC power line and power supply
- Tel/modem protection with splitter; 1-in, 2-out

Part No.	Mfr. Part No.	Description	1	5
2114626	TravelerC6	2-prong, figure 8 style	\$14.95	\$12.95
2114634	TravelerC8	3-prong, mickey mouse style	14.95	12.95

5mm x 20mm Miniature Low Profile Fuse Holder

- Current: 10A @ 250VAC
- D-style

Part No.	Mfr.	Approvals	Size (L" x Dia.)	Mounting Hole	1	10	100
102832	ValuePro	UL/CSA	1.4 x 0.6	.5"Dia. x .46" Flat	\$2.19	\$1.99	\$1.79

5mm x 20mm Miniature In-Line Fuse Holder

Part No.	Mfr.	AWG	Wire Color	Body Size	1	10	100
109330	ValuePro	20	Red	1.8"L	\$.69	\$.65	\$.59

1/4" x 1/4" Standard In-Line Fuse Holders

- Built-in spring ensures good fuse connection
- Vinyl covered wire with stranded copper center

Part No.	Mfr.	AWG	Wire Lengths	Body Length	Color (Body/Wire)	1	10	100
109322	ValuePro	22	3.5/3"	2.4"	Black/Red	\$.79	\$.75	\$.69
102868	ValuePro	20	3/3"	2.2"	White/Red	.89	.79	.69
151918	ValuePro	18	6/6"	2.4"	White/Red	1.19	1.09	.95
108784	ValuePro	16	21/26"	2.2"	Black/Orange	1.79	1.55	1.29
108792	ValuePro	14	19/25"	2.5"	Black/Red	2.49	2.25	1.95
2136631	Optifuse	—	—	2.77"	Yellow	2.49	2.25	1.95

* 32VDC rated @ 30A

1/4" x 1/4" PCB Fuse Holder

- Current: 16A @ 250V

Part No.	Mfr.	Approvals	Size (in.)	Description	1	10	100
1769743	Bussman	UL/CSA/VE	1.86 x .51	.4 x .4 grid	\$3.95	\$3.75	\$3.49

Part No.	Mfr. Part No.	Description (Rating)	Compatible Fuses	1	10	100
2136243	BLC-20A	Single, snap-together block for multi-pole applications (125VAC, 15A) (250VAC, 10A)	1/4" x 1-1/4" fuses	\$1.09	\$.99	\$.89
2136251	BLC-20C	Single, snap-together block for multi-pole applications (125VAC, 8A) (250VAC, 8A)	5mm x 20mm fuses	1.25	1.09	.95
2136294	BLR-I-301	1-pos. w/ snap-in mount (124VDC, 30A), cover included†	Automotive-blade fuses	3.49	3.19	2.89
2136278	BLR-I-306	6-pos. w/ snap-in mount (30A per circuit, 100A max input), cover included†	Automotive-blade fuses	16.95	14.95	13.49
2136286	BLR-I-310	10-pos. w/ snap-in mount (30A per circuit, 100A max input), cover included†	Automotive-blade fuses	21.95	19.95	17.95

Resonators & Varistors

Ceramic Resonators

- Frequency accuracy: ±0.5% @ 25°C
- Extended temp. range: -20°C to +85°C
- Withstanding volt. (5 sec): 100V max.

* Web Code: CRS

Part No.	Product No.	Frequency	Resistance	Pins	1	10	100
324727	TZTT-8.00MT	8.0MHz	25Ω	3	\$.49	\$.45	\$.39
324566	TZTA-12.00MT	12.0MHz	25Ω	2	.39	.35	.29
324672	TZTT-20.00MT	20.0MHz	55Ω	3	.49	.45	.39

LA Equivalent Series Radial Leaded Varistors

- Recognized as transient voltage surge suppressors
- Designed to be operated continuously across AC power lines
- No derating up to 85°C ambient
- UL/CSA/VE approved

* Web Code: CEF

Part No.	Product No.	Continuous Voltage		Transient Energy Joules	Max. Clamping Voltage V _C	I _{PK(A)}	Pricing		
		V _{M(AC)}	V _{M(DC)}				1	10	100
34446	V130LA10A	130	175	38	340	50	\$.39	\$.35	\$.29
34462	V130LA20A	130	175	70	340	100	.59	.55	.49
667059	V130LA20B	130	200	140	340	100	.59	.55	.49
1776054	V150LA10A	150	200	45	395	50	.29	.25	.22
667121	V150LA20A	150	240	170	395	100	.45	.39	.35
34471	V250LA20	250	330	72	650	50	.39	.35	.29
2126221	V275L40A	275	369	140	710	100	.29	.25	.22
1843122	B72220S0271K101	275	350	151	710	100	.49	.45	.39
2129393	B72220S301K501	300	385	173	775	100	.39	.35	.29

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Component Cabinet Kits

4 LEVELS OF SAVINGS			
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE

Includes the Most Popular Components with Extra Spaces for Your Customized Expansion

- Each kit includes drawer component cabinet (319600) and 20 plastic dividers (319611)
- Each kit has the most popular components in its category
- Each kit is designed for your specific expansion
- Includes identification labels for each drawer, with reorder numbers to replenish stock and blank adhesive labels for empty drawers
- Free standing or wall mountable cabinet • Weight of kits: 4.6 to 6.4 lbs.
- Cabinet size: 6.0"L x 15.0"W x 7.9"H • Drawer size: 5.5"L x 2.7"W x 1.5"H
- 20 clear plastic drawers (319601) and 20 dividers (319611) • Cabinet: ABS-black (P/N 319600 see pg 153)



7400 Series IC Kit

SAVE \$164

Includes 350 pcs. (30 Types) 7400 (TTL) Integrated Circuits

10 each	10 each	10 each	10 each	10 each	20 each
7402	7416	7432	74121	74157	7400
7405	7417	7438	74123	74160	7404
7408	7420	7447	74132	74174	7406
7410	7427	7485	74151	74175	7407
7414	7430	74107	74153	74279	7474

Part No.	Description	1	5
84953	350 pcs. 7400 series IC kit	\$294.95	\$269.95

74LS00 Series IC Kit

SAVE \$122

Includes 420 pcs. (35 Types) 74LS00 (TTL) Integrated Circuits

10 each	10 each	10 each	10 each	20 each
74LS05	74LS73	74LS125	74LS193	74LS00
74LS10	74LS75	74LS139	74LS240	74LS02
74LS11	74LS85	74LS151	74LS244	74LS04
74LS14	74LS86	74LS155	74LS245	74LS08
74LS20	74LS90	74LS157	74LS273	74LS32
74LS30	74LS93	74LS174	74LS373	74LS74
74LS47	74LS123	74LS175	74LS374	74LS138

84961	420 pcs. 74LS series IC kit	\$159.95	\$144.95
130391	Refill for 84961 (420 pcs.)	144.95	129.95

CD4000 Series (CMOS) IC Kit

SAVE \$39

Includes 300 pcs. (25 Types) CD 4000 Series Integrated Circuits

10 each	10 each	10 each	10 each	20 each
CD4015	CD4024	CD4051	CD4093	CD4001
CD4016	CD4027	CD4069	CD4511	CD4011
CD4017	CD4040	CD4070	CD4538	CD4013
CD4020	CD4046	CD4071	CD4543	CD4049
CD4023	CD4050	CD4081	CD4584	CD4066

84970	300 pcs. CD 4000 series IC kit	\$89.95	\$79.95
130403	Refill for 84970 (300 pcs.)	74.95	67.95

Linear IC Kit

SAVE \$84

Includes 480 pcs. (40 Types)

10 each	10 each	10 each	10 each	20 each
TL72CP	LM337T	LF412CN	ULN2803A	LM317T
TL74CN	LF353N	LMC555CN	NE5532N	LM324N
TL082CP	LF356N	LM556N	7808T	LM339N
TL084CN	LM358N	LM723CN	78L12CZ	LM741CN
MAX232CPE	LM386N-1	LM1458N	7815T	LM555CN
LM301N	LM386N-3	DS1488N	7905T	7805T
LM308N	LM393N	DS1489N	7912CT	78L05CZ
LM311N	LF411CN	ULN2003AN	7915CT	7812T

84988	480 pcs. (40 types) Linear IC kit	\$189.95	\$169.95
130411	Refill for 84988 (480 pcs.)	174.95	159.95

Transistor Kit

Includes 560 pcs. (20 Types)

10 each	10 each	10 each	10 each	100 each
2N2222A	2N4401	MJE3055T	TIP31A	2N3904
2N2907A	2N4403	MPF102	TIP32A	2N3906
2N3053	2N5951	MPSA06	TIP102	PN2222
2N3055	2N7000	MPSA13	TIP120	PN2907

82595	560 pcs. Transistor kit	\$69.95	\$59.95
130374	Refill for 82595 (560 pcs.)	54.95	49.95

Diode and Rectifier Kit

Includes 420 pcs. (15 Types) Zener Switching & Silicon Rectifiers

10 each	10 each	10 each	10 each	100 each
1N270	1N4007	1N4735A	1N5408	1N914
1N751A	1N4150	1N4742A	C106B1	1N4004
1N4001	1N4733A	1N5404	KBP04M	1N4148

82587	420 pcs. Diode kit	\$44.95	\$39.95
130366	Refill for 82587 (420 pcs.)	29.95	26.95

1/8-Watt Carbon Film Resistor Kit

Includes 540 pcs. (30 Values) 1/8-Watt 5% Resistors

10 each	10 each	10 each	10 each	10 each	50 each	50 each
10Ω	390Ω	2.2kΩ	6.8kΩ	47kΩ	100Ω	4.7kΩ
47Ω	470Ω	2.7kΩ	15kΩ	470kΩ	220Ω	10kΩ
150Ω	680Ω	3.3kΩ	22kΩ	1MΩ	1kΩ	100kΩ
270Ω	1.5kΩ	5.1kΩ	27kΩ	10MΩ	—	—
330Ω	2kΩ	5.6kΩ	33kΩ	—	—	—

Part No.	Description	1	5
108329	540 pcs. 1/8-watt Resistor kit	\$29.95	\$26.95
108303	Refill for 108329 (540 pcs.)	14.95	13.49

1/4-Watt Carbon Film Resistor Kit

Includes 540 pcs. (30 Values) 1/4-Watt 5% Resistors

10 each	10 each	10 each	10 each	10 each	50 each	50 each
10Ω	390Ω	2kΩ	5.6kΩ	47kΩ	100Ω	4.7kΩ
47Ω	470Ω	2.2kΩ	15kΩ	470kΩ	220Ω	10kΩ
150Ω	680Ω	2.7kΩ	20kΩ	1MΩ	1kΩ	100kΩ
270Ω	1.2kΩ	3.3kΩ	22kΩ	10MΩ	—	—
330Ω	1.5kΩ	5.1kΩ	33kΩ	—	—	—

81832	540 pcs. 1/4-watt Resistor kit	\$29.95	\$26.95
103166	Refill for 81832 (540 pcs.)	14.95	13.49

1/2-Watt Carbon Film Resistor Kit

Includes 540 pcs. (30 Values) 1/2-Watt 5% Resistors

10 each	10 each	10 each	10 each	10 each	50 each	50 each
10Ω	390Ω	2.2kΩ	6.8kΩ	47kΩ	100Ω	4.7kΩ
47Ω	470Ω	2.7kΩ	15kΩ	470kΩ	220Ω	10kΩ
150Ω	680Ω	3.3kΩ	22kΩ	1MΩ	1kΩ	100kΩ
270Ω	1.5kΩ	5.1kΩ	27kΩ	10MΩ	—	—
330Ω	2kΩ	5.6kΩ	33kΩ	—	—	—

107879	540 pcs. 1/2-watt Resistor kit	\$39.95	\$34.95
107853	Refill for 107879 (540 pcs.)	24.95	22.49

1/2-Watt Single Turn Cermet Pot Kit

Includes 100 pcs. (8 Types)

10 each	10 each	10 each	10 each	10 each
63P500Ω	63P2KΩ	63P10KΩ	63P50KΩ	63P500KΩ
63P1KΩ	63P5KΩ	63P20KΩ	63P100KΩ	63P1MΩ

85032	100 pcs. single turn Pot kit	\$74.95	\$64.95
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3/4-Watt 15 Turn Cermet Pot Kit

Includes 100 pcs. (10 Values) 3/4-Watt

10 each	10 each	10 each	10 each	10 each
43P500Ω	43P2KΩ	43P10KΩ	43P50KΩ	43P500KΩ
43P1KΩ	43P5KΩ	43P20KΩ	43P100KΩ	43P1MΩ

85041	100 pcs. 15 turn Pot kit	\$79.95	\$71.95
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LEDs & Mounting Hardware Kit

Includes 560 pcs. (20 Types) LEDs and

10 each	10 each	10 each	10 each	100 each
11359	34657	34761	114673	23077
11797	34673	104248	114681	95513
14277	34690	104256	2006705	202471
34606	34711	104264	333569	2006730

84996	560 pcs. LED & Hardware kit	\$69.95	\$59.95
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Switch Kit

Includes 150 pcs. (15 Types) Pushbutton, DIP & Toggle Switches

10 each	10 each	10 each	10 each	10 each
21910	21979	26358	26649	139012
21936	26315	26367	2076228	153252
21952	26332	26623	109171	38820

85059	150 pcs. Switch kit	\$99.95	\$89.95
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85059 (Switch Kit)

81841 (Capacitor Kit)

Spacers & Electronic Hardware Kit

Includes 2700 pcs. (27 Types) Spacer, Hex Nuts Flat, Tooth & Lock Washers and Slotted PH Screws

100 each	100 each	100 each	100 each	100 each	100 each
Spacers	Hex Nuts	Flat	Internal Tooth	Split Lock	PH Machine
—	2-56	#2	#2	#2	2-56 x 1/4, 1/2
4-40	4-40	#4	#4	#4	4-40 x 1/4, 1/2
6-32	6-32	#6	#6	#6	6-32 x 1/4, 1/2
8-32	8-32	#8	#8	#8	8-32 x 1/4, 1/2

Part No.	Description	1	5
108433	2700 pcs. Electronic Hardware kit	\$79.95	\$71.95

Monolithic Ceramic Capacitor Kit

Includes 280 pcs. (10 Types) 50V ±20% Monolithic Ceramic Caps.

10 each	10 each	10 each	10 each	100 each
22pF	.001μF	.22μF	.47μF	.01μF
100pF	.047μF	.33μF	1μF	.1μF

171475	280 pcs. Monolithic Cap. kit	\$34.95	\$31.95
171483	Refill for 171475 (280 pcs.)	19.95	17.95

Radial Electrolytic Capacitor Kit

Includes 240 pcs. (15 Values) Radial Electrolytic Capacitors

10 each	10 each	20 each	20 each	20 each
100μF @ 50V	1000μF @ 16V	1μF @ 50V	3.3μF @ 50V	22μF @ 50V
220μF @ 25V	2200μF @ 25V	1μF @ 100V	4.7μF @ 50V	47μF @ 50V
470μF @ 25V	3300μF @ 25V	2μF @ 50V	10μF @ 50V	100μF @ 25V

81867	240 pcs. Radial Capacitor kit	\$44.95	\$39.95
130331	Refill for 81867 (240 pcs.)	29.95	24.95

Axial Capacitor Kit

SAVE \$21

Includes 140 pcs. (10 Values) ±20% Axial Electrolytic Capacitors

10 each	10 each	10 each	20 each	20 each
47μF @ 50V	220μF @ 50V	1000μF @ 25V	1μF @ 50V	4.7μF @ 50V
100μF @ 50V	470μF @ 50V	2200μF @ 16V	2.2μF @ 50V	10μF @ 50V

81875	140 pcs. Axial Capacitor kit	\$44.95	\$39.95
130340	Refill for 81875 (140 pcs.)	29.95	26.95

Ceramic Disc Capacitor Kit

SAVE \$22

Includes 520 pcs. (10 Values) 50V Ceramic Disc Capacitors

20 each	20 each	20 each	100 each	100 each
10pF	47pF	470pF	.022μF	.01μF
22pF	100pF	.001μF	.047μF	.1μF

81859	520 pcs. Ceramic Capacitor kit	\$39.95	\$34.95
130232	Refill for 81859 (520 pcs.)	24.95	22.49

Mylar Capacitor Kit

SAVE \$30

Includes 280 pcs. (10 Values) 100V ±10% Mylar Capacitors

10 each	10 each	10 each	10 each	100 each
.001μF	.022μF	.047μF	.47μF	.01μF
.0068μF	.033μF	.22μF	1μF	.1μF

81883	280 pcs. Mylar Capacitor kit	\$39.95	\$34.95
130358	Refill for 81883 (280 pcs.)	24.95	22.49

Dipped Tantalum Capacitor Kit

SAVE \$29

Includes 150 pcs. (15 Values) ±20% Dipped Tantalum Capacitors

10 each	10 each	10 each	10 each	10 each
.1μF @ 35V	1μF @ 25V	3.3μF @ 25V	10μF @ 16V	22μF @ 16V
.22μF @ 35V	1μF @ 16V	4.7μF @ 35V	10μF @ 35V	33μF @ 25V
.47μF @ 25V	2.2μF @ 16V	6.8μF @ 35V	15μF @ 25V	47μF @ 25V

81841	150 pcs. Tantalum Capacitor kit	\$69.95	\$62.95
130260	Refill for 81841 (150 pcs.)	54.95	49.95

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Component Grab Bags



135271 - LEDs



18201 - LED Displays



2125616 - LED Indicators



18294 - Toy Motors



149649 - Fans



2133739 - Connectors



319600 - Cabinet

- Opened grab bags are not returnable
- Use our 20-drawer cabinet w/ labels to store your components, P/N 319600

Shaded in brown on this page you will find Jameco's nine (9) most popular component Grab Bags. They are all individually bagged, and are combined to make up the Schwab's School Selection (P/N 163213).

Capacitors, Inductors and Chokes Assortments

Part No.	Product No.	Description	Wt. (lbs.)	1	10
17857	GB100	200 assorted ceramic disc capacitors	0.2	\$6.95	\$5.95
135335	GB100LB	900 assorted ceramic disc capacitors	1.0	19.95	17.95
17881	GB101	100 assorted mylar capacitors	0.3	7.95	6.95
135458	GB101LB	400 assorted mylar capacitors	1.0	19.95	17.95
17911	GB102	100 assorted electrolytic capacitors radial, axial, snap, 85°C, 105°C, ±20%	0.5	9.95	8.95
135394	GB102LB	300 assorted electrolytic capacitors radial, axial, snap (photo above)	1.0	19.95	17.95
17945	GB103	100 assorted tantalum capacitors (dipped epoxy and solid tubular)	0.1	12.95	10.95
2081342	GB200	100 assorted axial chokes & inductors	2.0	9.95	8.95

Bumpers and Rubber Feet Assortment

2081385	GB201	100 assorted bumpers & adhesive rubber feet		\$8.95	\$7.95
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Resistor and Resistor Network Assortments

134130	GB115	200 asst. 1/8, 1/4, 1/2 resistors (1.5&10%)	0.8	\$6.95	\$5.95
18104	GB116	200 assorted 1/4W resistors (1.5&10%)	0.1	6.95	5.95
135351	GB116LB	2000 assorted 1/4W resistors (1.5,8&10%)	0.8	29.95	26.95
18139	GB117	200 assorted 1/2W resistors (5&10%)	0.2	6.95	5.95
18163	GB118	200 asst. 1/8W resistor networks (2.5&8%) (8 & 10-pin SIP packages, 22Ω-150k)	0.3	4.95	4.49

Trimmers, Single and Multi-Turn Potentiometers

18075	GB113	100 assorted 1/10W to 1/8W trimmer pots (100Ω to 2MΩ values)	0.1	\$9.95	\$8.95
18278	GB174	100 asst. 1/5W to 3/4W linear, single & multi-turn pots (100Ω to 5MΩ assorted values)	0.2	12.95	11.49
135407	GB174LB	300 asst. 1/5W to 3/4W linear, single & multi-turn pots (100Ω to 5MΩ assorted values)	1.0	29.95	26.95

LEDs, Displays, Indicators and Photocells

18041	GB110	100 assorted LEDs & lamps (T1 & T1½ round and rectangular)	0.1	\$9.95	\$8.95
18323	GB186	500 assorted LEDs & lamps (#18041)	0.3	34.95	31.49
135271	GB110LB	1900 assorted LEDs & lamps (#18041)	1.0	99.95	89.95
18201	GB162	50 assorted sizes of colored displays (7-segment, dot-matrix, bar graph)	0.5	14.95	13.49
2125616	GB205	30 assorted voltages, colors of neon, incandescent and LED indicators	0.8	12.95	11.49
169578	GB125	50 assorted values photocells	0.2	19.95	17.95

Schwab's Electronic Component School Selection

Jameco's nine (9) most popular Grab Bags (highlighted on this page) are all individually bagged. North Dakota Engineer, Loren Schwab, recommended this selection of products as a standard item. He also recommended a 20-drawer component cabinet with labels (319600, see photo above) for storage.

Includes: Ceramic and electrolytic capacitors, diodes, transistors, potentiometers, LEDs, 1/4W resistors, switches, spacers and standoffs.

Part No.	Product No.	Description	Wt. (lbs.)	1	10
163213	GB197	Schwab's School Selection	2.2	\$59.95	\$54.95
319600	6897CAB	20 drawer component cabinet	3.5	19.95	17.95

\$91.55 Value



What's your suggestion?

Integrated Circuits and IC Sockets

Part No.	Product No.	Description	Wt. (lbs.)	1	10
17996	GB108	100 assorted TTL DIP & SMDs (74, 74ALS, 74HC, 74HCT, 74F, 74LS, 74S)	0.2	\$9.95	\$8.95
135280	GB108LB	400 assorted TTL series DIP & SMDs (same as P/N 17996, above)	1.0	24.95	22.49
18024	GB109	100 assorted linear series (NSC, Motorola, TI) TO-3, 8 & 14-pin DIP, SOIC packages	0.1	12.95	11.49
145242	GB109LB	300 assorted linear series (NSC, Motorola, TI) TO-3, 8 & 14-pin DIP, SOIC packages	0.5	29.95	26.95
105620	GB120	100 assorted sockets (DIP, PGA, SIMM, SIP)	0.3	6.95	5.95
135386	GB120LB	300 assorted sockets (DIP, PGA, SIMM, SIP)	1.0	14.95	12.95

Diodes, Transistors and Crystals/Oscillators

17961	GB107	200 assorted diodes (zener, switching, silicon rectifiers)	0.1	\$9.95	\$8.95
18171	GB127	100 asst. transistors (NPN, PNP, power)	0.1	9.95	7.95
114446	GB150	100 assorted crystals/oscillators	0.2	7.95	6.95

Switches, Toy Motors, Gears and Fans

2133472	GB206	50 assorted DIP switches (2-12 position, low profile, slide, rocker, R/A, standard)	0.2	\$8.95	\$7.95
18235	GB165	50 assorted switches (toggle, pushbutton, rocker, slide, DIP)	0.4	9.95	8.95
135378	GB165LB	150 assorted #18235 switches	2.0	22.95	19.95
18294	GB182	5 assorted toy DC motors (1.5-24V)	0.5	7.95	6.95
1943094	GB198	30 assorted gears, plastic/nylon (20, 22, 23, 26, 30, 58, 63 teeth vary)	0.3	12.95	10.95
2134310	GB208	5 assorted 5VDC fans (sizes & cfm vary)	3.5	9.95	8.95
2134328	GB209	5 assorted 12VDC fans (sizes & cfm vary)	3.5	9.95	8.95
149649	GB193	5 assorted AC & DC fans (photo above) (5, 12, 24, 48VDC & 115VAC fans)	4.5	9.95	8.95

Spacer, Standoff and Terminal Assortments

55968	GB140	100 assorted 4-40, 6-32, 8-32 round/hex, aluminum/steel, spacers/standoffs	0.3	\$14.95	\$12.95
135423	GB140LB	300 assorted same as P/N 55968	1.0	29.95	26.95
2082118	GB203	100 assorted solderless terminals (spade, ring, faston, butt, crimp types)	0.2	7.95	6.95

Screw Hardware & Drill Bit Assortments

	Plastic	Steel	Brass	Aluminum	Nylon
171571	GB149	500 assorted types of screws, #2, 4, 6, 8 nuts, washers & lock washers	1.0	\$6.95	\$5.95
171635	GB149LB	1400 asst. same as P/N 171571	3.2	15.95	14.95
2082038	GB202	20 assorted drill bits (9 sizes: .021" (#75) thru .125" (#1/8))	0.3	19.95	18.49

Molex/Tyco Style Headers and Connectors

2095138	GB204	100 asst. .079/100 male headers straight, right angle, single and double row	0.3	\$9.95	\$8.95
2133739	GB207	100 asst. IDC, CMML, Mini-Fit JR/SR, power connectors, .100, .118, .165 straight & R/A	0.4	9.95	8.95

Surprise Electronic Component Grab Bag

Axial and radial electrolytics, monolithic, dipped silver mica and mylar capacitors, ICs, connectors, sockets, headers, thermistors, LEDs, resistor networks, diodes, standoffs, transistors, oscillators/resonators, inductors, crystals, resistors, pots and switches (1000 pcs.)

Part No.	Product No.	Description	1	10
135263	GB191LB	1000 assorted pieces electronic components	\$19.95	\$17.95

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Electrolytic Capacitors

4 LEVELS OF SAVINGS			
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE

JAMECO ValuePro

Snap-Mount Large-Can Aluminum Electrolytic Capacitors (±20%)

- Operating temperature range: (SNA & ECO) -40°C to +85°C; (SNB) -40°C to +105°C
- Can-Top safety vent

*Web Code: EBG

2120022

Part No.	Cross Ref. No.	*Mfr.	Value (µF)	Volt	Size (mm)* D x H x L.S.	Pricing		
						1	10	100
203263	SNB470/400/5	JVP	470	450	35 x 49 x 9	\$7.95	\$6.95	\$6.25
115378	SNB4700/35	JVP	4700	35	23 x 40 x 9	2.95	2.49	1.95
331901	SNB6800/50	JVP	6800	50	25.2 x 42.4 x 9	4.95	4.29	3.79
157738	SNB10000/50	JVP	10000	50	35 x 40 x 12	5.95	5.39	3.95

Part No.	Cross Ref. No.	*Mfr.	Value (µF)	Volt	Size (mm)* D x H x L.S.	Pricing		
						1	10	100
331716	SNA15000/25	JVP	15000	25	25 x 41 x 9	\$3.95	\$3.29	\$2.79
2151152	ECO-S1HP153DA	PAN	15000	50	30 x 50 x 10	5.95	4.95	3.95
2120022	SNB33000/50	NIP	33000	50	35 x 117 x 13	6.95	5.95	4.95

*Capacitor dimensions and styles may vary †Screw terminals

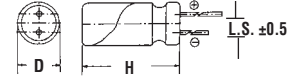
JAMECO ValuePro

Aluminum Radial-Lead Polarized Electrolytic Capacitors (±20%) 85°C

*Web Code: CCE



Leakage Current (20°C)	After 1 min.	0.03CV or 4µA, whichever is greater
	After 2 min.	0.01CV or 3µA, whichever is greater



† CROSS REFERENCES: Nichicon: LB/VX/USA/SR/SA/UVR; Elna: RC2/RE2; IC: RAR/RSS; Marcon: SEM/SSM; Rubycon: MS7/TWSS; Sprague: 501D/513D; UCC: SME/SRE/SRA/SG; Panasonic: KA/KS/SU

* Order in multiples of 10

Part No.	Cross Ref. No.†	*Mfr.	Value (µF)	Volt	Size (mm)* D x H x L.S.	Pricing			
						1	10	100	500
2151970	R0.1/50	JVP	0.1	50	5 x 11 x 5	*	\$0.07	\$0.05	\$0.04
609043	UVR2A0R1MDD	JVP	0.1	100	5 x 11 x 2	*	.12	.09	.07
330465	RA0.47/50	JVP	0.47	50	5 x 11 x 2	*	.07	.05	.04
330431	RA1/25	JVP	1	25	5 x 11 x 2	*	.08	.06	.05
94161	5R1/50	JVP	1	50	4 x 5 x 1.5	*	.15	.12	.09
29831	R1/50	JVP	1	50	5 x 11 x 2	*	.08	.06	.04
29833	R1/50	JVP	1	50	5 x 11 x 2	*	.09	.07	.05
330941	RN1/50	JVP	1	50	5 x 11 x 2	*	.12	.09	.07
115423	R1/63	JVP	1	63	5 x 11 x 2	*	.15	.12	.09
93729	R2.2/50	JVP	2.2	50	5 x 11 x 2	*	.09	.07	.05
93731	R2.2/50	JVP	2.2	50	5 x 11 x 2	*	.10	.08	.06
135184	R3.3/50	JVP	3.3	50	5 x 11 x 2	*	.15	.12	.09
31000	R4.7/50	JVP	4.7	50	5 x 11 x 2	*	.07	.06	.04
31002	R4.7/50	JVP	4.7	50	5 x 11 x 2	*	.09	.07	.05
198839	R10J/16	JVP	10	16	5 x 11 x 2	*	.09	.07	.05
94212	5R10/25	JVP	10	25	4 x 5 x 1.5	*	.12	.09	.07
330916	RN10/25	JVP	10	25	5 x 11.5 x 1.5	*	.10	.08	.06
1946367	R10/25ATR	JVP	10	25	5 x 11 x 5	*	.09	.07	.05
94221	5R10/35	JVP	10	35	5 x 5 x 2	*	.12	.09	.07
29891	R10/50	JVP	10	50	5 x 11 x 2	*	.09	.07	.05
29893	R10/50	JVP	10	50	5 x 11 x 2	*	.15	.12	.09
330609	RA10/250	JVP	10	250	10 x 16 x 5	.39	.29	.25	.19
1946295	R22/16	JVP	22	16	5 x 12 x 5	*	.08	.06	.05
93739	R22/50	JVP	22	50	5 x 11 x 2	*	.09	.07	.06
1946316	R22/50TR	JVP	22	50	5 x 12 x 5	*	.09	.07	.06
2125587	R33/25	JVP	33	25	6.3 x 5.6 x 2.5	*	.15	.12	.09
93747	R33/50	JVP	33	50	6.3 x 11 x 2.5	*	.15	.12	.09
1946244	R47/16TR	JVP	47	16	5 x 12 x 5	*	.09	.08	.07
198863	R47J/16	JVP	47	16	6.3 x 11 x 2.5	*	.12	.09	.08
198952	R47J/35	JVP	47	35	5 x 11 x 2	*	.12	.09	.07
31114	R47/50	JVP	47	50	6 x 11 x 2.5	*	.10	.08	.07
31116	R47/50	JVP	47	50	6.3 x 11 x 2.5	*	.15	.12	.09
330617	RA47/250	JVP	47	250	13 x 25 x 5	.59	.49	.39	.35
330676	RA47/450	JVP	47	450	18 x 30 x 7.5	1.25	1.09	.99	.89
1946221	R68/16TR	JVP	68	16	5 x 11 x 5	*	.15	.12	.09
330422	RA100/16	JVP	100	16	5 x 11 x 2	*	.12	.09	.07
94432	7R100/16	JVP	100	16	6 x 7 x 2.5	*	.10	.08	.06
94289	5R100/16	JVP	100	16	6.5 x 5 x 2.5	*	.17	.15	.12
93761	R100/25	JVP	100	25	6 x 11 x 2.5	*	.10	.08	.06
198970	R100J/35	JVP	100	35	6.3 x 11 x 2.5	*	.12	.09	.07
29962	R100/50	JVP	100	50	8 x 11 x 3.5	*	.12	.09	.07
29964	R100/50	JVP	100	50	8 x 11.5 x 3.5	*	.15	.12	.09

Note: Above case sizes may have ± tolerances "TR" at the end of Cross Ref. numbers are Tape and Reel

* Order in multiples of 10

Part No.	Cross Ref. No.†	*Mfr.	Value (µF)	Volt	Size (mm)* D x H x L.S.	Pricing			
						1	10	100	500
330529	RA100/100	JVP	100	100	10 x 17 x 5	\$2.29	\$2.25	\$1.19	\$1.15
330580	RA100/160S	JVP	100	160	16 x 25 x 7.5	.69	.55	.45	.39
330625	RA100/250	JVP	100	250	16 x 31.5 x 7.5	.99	.89	.69	.59
330684	RA100/450	JVP	100	450	22 x 42.5 x 10.5	2.25	1.95	1.75	1.49
198872	R220J/16	JVP	220	16	6.3 x 11 x 2.5	*	.13	.11	.09
30496	R220/25	JVP	220	25	8 x 11 x 3.5	*	.12	.09	.07
93772	R220/35	JVP	220	35	8 x 12 x 3.5	*	.15	.12	.09
93778	R220/50	JVP	220	50	10 x 12 x 5	*	.15	.12	.09
609115	UVR2C221MHD	JVP	220	160	16 x 30 x 7.5	.85	.75	.65	.59
93796	R330/25	JVP	330	25	10 x 12 x 5.0	*	.15	.12	.09
198978	R330J/35	JVP	330	35	10 x 12.5 x 5	*	.19	.15	.12
330473	RA330/50	JVP	330	50	10 x 16 x 5	.35	.29	.25	.19
93809	R470/16	JVP	470	16	8 x 11 x 3.5	*	.13	.10	.08
93811	R470/16	JVP	470	16	8 x 11.5 x 3.5	.25	.19	.15	.12
31183	R470/25	JVP	470	25	10 x 12 x 3.5	.35	.25	.19	.15
31181	R470/25	JVP	470	25	10 x 12 x 5	*	.19	.15	.12
93817	R470/35	JVP	470	35	10 x 16 x 5	.29	.22	.17	.14
93819	R470/35	JVP	470	35	10 x 16 x 5	.45	.39	.35	.25
93827	R470/50	JVP	470	50	10 x 20 x 5	.39	.35	.25	.19
93825	R470/50	JVP	470	50	12 x 20 x 5	.39	.35	.25	.19
158465	R470B63	JVP	470	63	13 x 20 x 5	.59	.55	.45	.39
199102	R470J/100	JVP	470	100	16 x 25 x 7.5	.79	.69	.59	.49
330456	RA680/25S	JVP	680	25	8 x 16 x 3.5	1.15	.99	.85	.65
30015	R1000/16	JVP	1000	16	10 x 16 x 5	.25	.19	.15	.12
30017	R1000/16	JVP	1000	16	10 x 16 x 5	.35	.25	.19	.15
93833	R1000/25	JVP	1000	25	10 x 20 x 5	.39	.29	.25	.19
93835	R1000/25	JVP	1000	25	10 x 20 x 5	.45	.39	.29	.25
93841	R1000/50	JVP	1000	50	6.5 x 11.3 x 2.2	.59	.45	.35	.29
199111	R1000J/100	JVP	1000	100	18 x 41 x 7.5	1.49	1.35	1.09	.99
30533	R2200/25	JVP	2200	25	12 x 25 x 5.0	.69	.55	.45	.35
30535	R2200/25	JVP	2200	25	13 x 21 x 5	.75	.59	.49	.39
198986	R2200J/35	JVP	2200	35	16 x 25 x 7.5	.69	.55	.45	.39
608956	UVR1H222MHD	JVP	2200	50	16 x 30 x 7.5	.99	.85	.65	.55
198898	R3300J/16	JVP	3300	16	13 x 21 x 5	.69	.55	.45	.35
30893	R3300/25	JVP	3300	25	13 x 29 x 5	.75	.59	.49	.39
2135435	R3300-VR(M)	NIC	3300	50	18 x 35 x 7.0	1.09	.89	.75	.59
198901	R4700J/16	JVP	4700	16	16 x 25 x 7.5	.79	.65	.49	.39
93850	R4700/25	JVP	4700	25	16 x 31 x 7.5	.95	.79	.65	.55
199006	R4700J/35	JVP	4700	35	18 x 35 x 7.5	1.49	1.25	1.09	.95
163302	R4700/50	JVP	4700	50	22 x 41 x 10	1.59	1.39	1.25	1.15
163301	R4700/50	JVP	4700	50	22 x 42 x 10	1.45	1.29	1.19	1.09
198935	R6800J/25	JVP	6800	25	18 x 35.5 x 7.5	1.09	.99	.85	.65

*Capacitor dimensions and styles may vary **Non-polarized

* JVP = Jameco ValuePro | NIC = Nichicon | NIP = Nippon | PAN = Panasonic

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

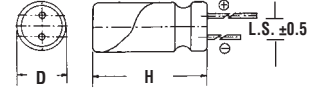
Aluminum Radial-Lead Polarized Electrolytic Capacitors (±20%) 105°C

*Web Code: HAA

105°C – HT Type General Purpose



Leakage Current (20°C)	After 1 min.	0.03CV or 4µA, whichever is greater
	After 2 min.	0.01CV or 3µA, whichever is greater



† CROSS REFERENCES: Nichicon: LB/VX/USA/SR/SA/UPW/UVZ/UHE; Elna: RC2/RE2; IC: RAR/RSS; Marcon: SEM/SSM; Rubycon: MS7/TWSS; Sprague: 501D/513D; UCC: SME/SRE/SRA/SRG; Panasonic: KA/KS/SU

* Order in multiples of 10

Part No.	Cross Ref. No.†	Mfr.	Value (µF)	Volt	Size (mm)* D x H x L.S.	Pricing			
						1	10	100	500
609545	UVZ1H0R1MDD	JVP	0.1	50	5 x 11 x 2	*	\$.12	\$.09	\$.07
330772	RB1/50	JVP	1	50	5 x 11 x 2	*	.12	.09	.07
158491	R1B100	JVP	1	100	5 x 11 x 2	*	.17	.15	.12
609959	UVZ2E010MED	JVP	1	250	8 x 11 x 3.5	.25	.22	.19	.15
609561	UVZ1H2R2MDD	JVP	2.2	50	5 x 11.5 x 2	*	.12	.09	.07
330781	RB4.7/50	JVP	4.7	50	5 x 11 x 2	*	.09	.07	.05
330692	RB10/16	JVP	10	16	5 x 11 x 2	*	.12	.09	.07
330799	RB10/50	JVP	10	50	5 x 11 x 2	*	.09	.07	.05
607849	UPW1H100MDD	JVP	10	50	5 x 11 x 2	*	.15	.12	.09
609641	UVZ1J100MDD	JVP	10	63	5 x 11 x 2	*	.17	.12	.09
610036	UVZ2W100MHD	JVP	10	450	13 x 21 x 5	.69	.55	.45	.35
158327	R22B35	JVP	22	35	5 x 11 x 2	*	.12	.09	.07
93737	RB22/50TR	JVP	22	50	6.5 x 8 x 2	*	.15	.12	.09
609650	UVZ1J220MDD	JVP	22	63	5 x 11 x 2	*	.15	.12	.09
609828	UVZ2C220MPD	JVP	22	160	10 x 15 x 5	.35	.29	.25	.19
609975	UVZ2E220MHD	JVP	22	250	13 x 20 x 5	.39	.35	.29	.25
608374	UPW2A330MPD6	JVP	33	100	8 x 15 x 3.5	*	.25	.19	.15
609502	UVZ1C470MDD	JVP	47	16	5 x 11 x 2	*	.10	.07	.05
1945428	R47/35	JVP	47	35	6.3 x 11 x 2	*	.12	.09	.07
330820	RB47/50	JVP	47	50	6.3 x 11 x 2.5	*	.15	.12	.09
2100241	RB47/100	JVP	47	100	10 x 16 x 5	*	.09	.08	.07
610010	UVZ2E470MHD	JVP	47	250	13 x 25 x 5	.69	.55	.45	.35
1946228	RB100/10	JVP	100	10	5 x 11 x 3.5	*	.12	.09	.07
330740	RB100/25	JVP	100	25	6.3 x 11 x 2.5	*	.13	.10	.08
158394	R100B50	JVP	100	50	8 x 11.5 x 3.5	*	.17	.15	.12
608032	UPL1J101MHH6	JVP	100	63	13 x 15 x 5	*	.19	.15	.12
609748	UVZ2A101MPD	JVP	100	100	10 x 20 x 5	.35	.29	.25	.19
2135443	R100-M	NIC	100	100	13 x 20 x 5	.29	.25	.19	.15
609967	UVZ2E101MHD	JVP	100	250	16 x 31 x 7.5	1.09	.99	.79	.59
608340	ECA1JFQ151L	JVP	150	63	10 x 21 x 5	*	.12	.09	.07
207845	R180/16	JVP	180	16	6 x 15 x 2.5	*	.03	.02	.015
606934	EEUFC1J181	JVP	180	63	10 x 20 x 5	*	.06	.045	.03
158263	R220B25	JVP	220	25	8 x 11 x 3.5	*	.17	.15	.12

* Capacitor dimensions and styles may vary

* Order in multiples of 10

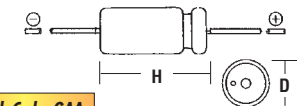
Part No.	Cross Ref. No.†	Mfr.	Value (µF)	Volt	Size (mm)* D x H x L.S.	Pricing			
						1	10	100	500
93770	R220/35	JVP	220	35	10 x 16 x 5	*	\$.17	\$.15	\$.12
606820	UHE1H221MPD	JVP	220	50	10 x 16 x 5	.39	.35	.25	.19
609721	UVZ1V331MPD	JVP	330	35	10 x 16 x 5	*	.19	.15	.12
2126459	R470/16TR	JVP	470	16	10 x 13 x 5	*	.12	.09	.07
158203	R470B16	JVP	470	16	8 x 11 x 3.5	*	.19	.15	.12
158289	R470B25	JVP	470	25	10 x 16 x 5	.29	.25	.19	.15
606740	UHE1E471MPD6	JVP	470	25	10 x 17 x 5	.29	.25	.19	.15
606854	UHE1H471MPD	JVP	470	50	13 x 20 x 5	.45	.35	.29	.22
2133430	EEU-FN1C681L	PAN	680	16	8 x 21 x 2.5	.39	.35	.25	.19
2129781	CETM01V681M3218B	SAM	680	35	13 x 21 x 4	.59	.49	.39	.29
606871	UHE1H681MHD	JVP	680	50	13 x 28 x 5	.85	.65	.49	.39
607355	UPWDI821MPD	JVP	820	6.3	14.5 x 8.2 x 3.5	.39	.35	.29	.25
606432	UHEQJ102MPD	JVP	1000	6.3	8 x 14 x 3.5	*	.19	.15	.12
607363	UPW1A102MPD	JVP	1000	10	8 x 20 x 3.5	.49	.45	.39	.35
330722	RB1000/16	JVP	1000	16	10 x 20 x 5	.39	.35	.25	.19
158298	R1000B25	JVP	1000	25	10 x 17 x 5	.49	.39	.35	.25
158378	R1000B35	JVP	1000	35	13 x 21 x 5	.59	.55	.39	.29
606627	UHE1C122MPD	JVP	1200	16	10 x 24 x 5	.45	.39	.35	.29
607232	UPWQJ152MPD	JVP	1500	6.3	10 x 20 x 5	.39	.35	.29	.25
607398	UPW1A152MPD6	JVP	1500	10	10 x 20 x 5	.39	.35	.29	.25
607742	UPW1E152MHD6	JVP	1500	25	12.5 x 25 x 5	.49	.45	.39	.29
607873	UPW1H152MHD	JVP	1500	50	16 x 30 x 7.5	.75	.69	.65	.59
606467	UHEQJ182MHD	JVP	1800	6.3	10 x 20 x 5	.35	.25	.19	.15
607751	UPW1E182MHD	JVP	1800	25	13 x 25 x 5	.75	.69	.59	.45
609342	UVZQJ222MPD	JVP	2200	6.3	10 x 20 x 5	.39	.35	.29	.25
606563	UHE1A222MPD	JVP	2200	10	10 x 24 x 5	.45	.39	.35	.25
609705	UVZ1V222MHD	JVP	2200	35	16 x 26 x 7.5	.69	.65	.49	.39
158432	R2200B50	JVP	2200	50	16 x 30 x 7.5	.99	.79	.65	.55
608278	UPW1V332MHD	JVP	3300	35	18 x 33 x 7.5	1.25	1.09	.89	.69
609588	UVZ1H332MHD	JVP	3300	50	18 x 36 x 7.5	1.49	1.25	1.05	.85
607814	UPW1E472MHD	JVP	4700	25	18 x 39 x 7.5	1.09	.99	.79	.59
2125641	R5600B16	NIC	5600	16	16 x 40 x 7.5	.49	.39	.29	.19
609473	UVZ1C103MHD	JVP	10000	16	18 x 41 x 7.5	1.25	1.09	.99	.75

* Capacitor dimensions and styles may vary

Aluminum Axial-Lead Electrolytic Capacitors (±20%) 85°C



Operating temperature range	-40°C to +85°C
Leakage Current (After 2 minutes 20°C)	0.02CV or 2µA, whichever is greater



*Web Code: GAA

* Order in multiples of 10

Part No.	Product No.	Mfr.	Value (µF)	Voltage	Size (mm)* D x H	Pricing			
						1	10	100	500
10866	A1/50	JVP	1	50V	5 x 13	*	\$.19	\$.15	\$.12
10868	A1/50	JVP	1	50V	5 x 12	.25	.19	.15	.12
93569	A2.2/50	JVP	2.2	50V	6 x 13	*	.19	.15	.12
11076	A4.7/50	JVP	4.7	50V	6 x 13	*	.19	.15	.12
1946199	A10/16	JVP	10	16V	4 x 7	*	.15	.12	.085
10882	A10/50	JVP	10	50V	6 x 12	*	.19	.15	.12
331425	AB10/450	JVP	10	450V	13 x 25	.75	.69	.65	.59
199268	A22J/25	JVP	22	25V	6 x 12.5	*	.19	.15	.12

* Capacitor dimensions and styles may vary

Part No.	Product No.	Mfr.	Value (µF)	Voltage	Size (mm)* D x H	Pricing			
						1	10	100	500
331433	AB22/450	JVP	22	450V	16 x 26.5	\$1.95	\$1.75	\$1.49	\$1.25
135319	A47/25	JVP	47	25V	8 x 16	.35	.29	.25	.22
11105	A47/50	JVP	47	50V	8 x 16	.45	.35	.29	.25
199188	A100J/16	JVP	100	16V	6 x 12.5	.25	.22	.19	.15
93551	A100/35	JVP	100	35V	8 x 16	.35	.25	.22	.15
10911	A100/50	JVP	100	50V	8 x 20	.35	.29	.25	.19
10913	A100/50	JVP	100	50V	8 x 16	.39	.35	.29	.25
331417	AB100/250	JVP	100	250V	16 x 31	1.75	1.49	1.25	1.09

* Capacitor dimensions and styles may vary

Continued on next page

* JVP = Jameco ValuePro | NIC = Nichicon | PAN = Panasonic | SAM = Samsung

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Electrolytic, Dipped Tantalum & Ceramic Capacitors

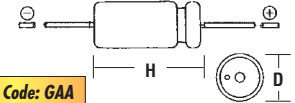
4 LEVELS OF SAVINGS			
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE

JAMECO ValuePro

Aluminum Axial-Lead Electrolytic Capacitors (±20%) 85°C (Continued)



Operating temperature range	-40°C to +85°C
Leakage Current (After 2 minutes 20°C)	0.02CV or 2µA, whichever is greater



* Web Code: GAA

Part No.	Product No.	Value (µF)	Voltage	Size (mm)* D x H	Pricing			
					1	10	100	500
2150811	A220/16	220	16V	10 x 21	\$.29	\$.25	\$.19	\$.15
11019	A220/50	220	50V	10 x 17	.55	.45	.35	.29
199217	A470J/16	470	16V	8 x 17	.39	.35	.29	.25
199381	A470J/35	470	35V	10 x 21	.45	.39	.35	.29
11123	A470/50	470	50V	13 x 22	.85	.69	.59	.49
10954	A1000/25	1000	25V	13 x 31	.69	.55	.45	.35
10956	A1000/25	1000	25V	10 x 20	.85	.69	.59	.49
93649	A1000/35	1000	35V	13 x 26	.89	.75	.65	.55
93651	A1000/35	1000	35V	13 x 22	.69	.59	.49	.39
147256	A1000/50	1000	50V	16 x 31	.95	.75	.59	.49

* Capacitor dimensions and styles may vary

Part No.	Product No.	Value (µF)	Voltage	Size (mm)* D x H	Pricing			
					1	10	100	500
11033	A2200/16	2200	16V	16 x 40	\$.95	\$.75	\$.65	\$.55
93658	A2200/35	2200	35V	16 x 30	1.25	1.09	.99	.79
199479	A2200J/50	2200	50V	18 x 33	1.75	1.49	1.25	1.08
2144972	A3300/16	3300	16V	16 x 26	.59	.49	.39	.29
93666	A3300/25	3300	25V	16 x 30	.85	.75	.65	.55
199487	A3300J/50	3300	50V	22 x 43	2.25	1.95	1.75	1.49
93673	A4700/25	4700	25V	18 x 36	2.39	2.19	1.95	1.69
158650	A4700A25	4700	25V	22 x 50	.99	.89	.79	.69
158811	A4700A50	4700	50V	22 x 43	2.25	1.95	1.75	1.49
93681	A10000/16	10000	16V	22 x 51	1.75	1.49	1.25	1.09

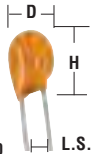
* Capacitor dimensions and styles may vary

JAMECO ValuePro

Resin Dipped Solid Tantalum Capacitors (±10%)

- Operating temperature range: -55°C to +85°C (+125°C with derating)
- Exceptional temperature stability
- Flame retardant coating
- Rated voltage DC: ≤ +85°C
- Moisture-resistant
- Designed for entertainment and commercial equipment
- Low leakage current

* Web Code: VAE



* Order in multiples 10

Part No.	Product No.	Value (µF)	Volt (V)	Size (mm)* D x H x L.S.	Pricing			
					1	10	100	500
545561	TAP104K035SCS	.10	35	4.0 x 6.0 x 2.5	\$.39	\$.32	\$.25	\$.19
33488	TM.1	.10	35	4.5 x 7.0 x 2.5	.39	.32	.25	.19
33486	TM.1/35	.10	35	4.5 x 7.0 x 5.2	.32	.25	.19	.15
33507	TM.22/35	.22	35	4.5 x 7.0 x 5.0	.39	.32	.25	.19
33523	TM.33/35	.33	35	4.5 x 7.0 x 2.5	.32	.25	.19	.15
33525	TM.33	.33	35	4.5 x 7.0 x 2.5	.39	.32	.25	.19
33533	TM.47	.47	35	4.5 x 7.0 x 2.5	.39	.32	.25	.19
33531	TM.47/35	.47	35	4.5 x 7.0 x 2.7	.35	.29	.25	.19
546142	TAP684K050SCS	.68	50	4.3 x 7.0 x 2.5	.35	.29	.25	.19
545588	TAP105K025SCS	1	25	4.3 x 7.0 x 2.5	.39	.32	.25	.19
154862	TM1/25	1	25	4.5 x 7.0 x 2.5	.35	.29	.25	.19
154860	TM1/25	1	25	4.5 x 7.0 x 4.7	.32	.25	.19	.15
545596	TAP105K035SCS	1	35	4.3 x 7.0 x 2.5	.39	.32	.25	.19
33662	TM1/35	1	35	4.5 x 7.0 x 2.7	.35	.29	.22	.17
545609	TAP105K050SCS	1	50	4.7 x 7.5 x 2.5	.65	.59	.49	.35
94001	TM2.2/16	2.2	16	4.5 x 7.0 x 4.7	.32	.25	.19	.15
33736	TM2.2/35	2.2	35	5.0 x 8.0 x 2.5	.39	.35	.29	.25
545932	TAP335K016SCS	3.3	16	4.3 x 7.0 x 2.5	.39	.35	.29	.25
545941	TAP335K025SCS	3.3	25	4.3 x 7.0 x 2.5	.45	.35	.29	.22
94035	TM4.7/16	4.7	16	5.0 x 8.0 x 2.5	.35	.29	.22	.17
546071	TAP475K025SCS	4.7	25	4.3 x 7.0 x 2.5	.55	.45	.35	.29
546089	TAP475K035SCS	4.7	35	4.7 x 7.5 x 2.5	.59	.49	.39	.32
33806	TM4.7/35	4.7	35	5.5 x 9.5 x 2.5	.49	.39	.32	.25
546185	TAP685K025SCS	6.8	25	4.7 x 7.5 x 2.5	.39	.35	.29	.25
33873	TM6.8/35	6.8	35	6.5 x 9.0 x 4.7	.45	.35	.29	.22

* Capacitor dimensions and styles may vary

Note: Above case sizes may have ± tolerances

Part No.	Product No.	Value (µF)	Volt (V)	Size (mm)* D x H x L.S.	Pricing			
					1	10	100	500
545625	TAP106K010SCS	10	10	4.7 x 7.5 x 2.5	\$.49	\$.39	\$.32	\$.25
94060	TM10/16	10	16	4.6 x 7.5 x 3.2	.49	.39	.32	.25
94062	TM10/16	10	16	5.0 x 8.0 x 2.5	.55	.45	.35	.29
545633	TAP106K020SCS	10	20	5.4 x 8.0 x 2.5	.45	.35	.29	.25
545641	TAP106K025SCS	10	25	5.4 x 8.0 x 2.5	.55	.45	.35	.29
94080	TM10/25	10	25	5.5 x 9.5 x 2.5	.65	.55	.45	.35
94078	TM10/25	10	25	5.5 x 9.5 x 2.8	.59	.49	.39	.35
545650	TAP106K035SCS	10	35	5.4 x 8.0 x 2.5	1.15	.95	.79	.65
33689	TM10/35	10	35	6.5 x 11.0 x 4.7	.99	.89	.75	.65
33719	TM15/25	15	25	4.5 x 8.0 x 2.5	.79	.65	.49	.39
597468	TAP156K035SCS	15	35	5.5 x 9.5 x 4.7	.75	.65	.49	.45
33751	TM22/6.3	22	6.3	4.7 x 7.5 x 2.5	*	.19	.15	.12
545852	TAP226K016SCS	22	16	5.4 x 8.0 x 2.5	.69	.55	.45	.35
94094	TM22/16	22	16	5.5 x 9.5 x 4.1	.55	.45	.35	.29
545879	TAP226K025SCS	22	25	6.0 x 9.4 x 2.5	1.75	1.49	1.25	.99
33785	TM33/25	33	25	8.5 x 13.0 x 4.7	1.75	1.49	1.25	.99
546100	TAP476K010SCS	47	10	6.0 x 9.4 x 2.5	.99	.89	.79	.65
94123	TM47/16	47	16	5.2 x 8.2 x 2.5	1.49	1.25	.99	.79
546118	TAP476K016SCS	47	16	6.0 x 9.4 x 2.5	1.75	1.49	1.25	.99
33822	TM47	47	25	9.5 x 16.5 x 2.5	1.59	1.35	1.15	.99
33700	TM100/35	100	6.3	8.5 x 13.0 x 4.7	1.09	.99	.89	.79
597450	TAP107K016CCS	100	16	7.0 x 11.0 x 2.5	2.25	1.95	1.75	1.49
545684	TAP107K020CCS	100	20	8.2 x 12.5 x 2.5	2.95	2.75	2.49	2.25
545772	TAP157K010CCS	150	10	7.0 x 11 x 2.5	.99	.89	.79	.69

* Capacitor dimensions and styles may vary

Note: Above case sizes may have ± tolerances

JAMECO ValuePro

Axial Leaded Ceramic Capacitors (±5, ±10, ±20 or ±100%)

50, 100 and 200 Volt, NPO, X7R and Z5U Temperature

Order in multiples of 10

Part No.	Product No.	*Mfr.	Value	Volt (V)	Temp Co-eff.	Tol.	Pricing		
							10	100	1000
546265	SA102A101JAA	JVP	100pF	200	NPO	5	\$.15	\$.12	\$.09
546281	SA105A102JAA	JVP	1000pF	50	NPO	5	.15	.12	.09
546249	SA101C102KAA	JVP	1000pF	100	X7R	10	.05	.03	.02

* AVX = AVX Corp. | JVP = Jameco ValuePro

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Ceramic Disc Capacitors (±5, ±10 or ±20%)

25, 50, 500 and 1000 Volt, 25U Temperature Coefficient

*Web Code: HBW



- Dielectric withstanding voltage: 2.5 times rated volt. for not < 1 sec.
- Operating temp. range: +10°C to +85°C
- Capacitance change over temp. range: +22% to -56%

* Order in multiples of 10

Part No.	Product No.	Mfr.	Value	Volt (V)	Tol.	Dia. (mm)	Pricing				
							1	10	100	1000	5000
332291	CD3.3/1000	JVP	3.3pF	1000	20	5	*	\$.19	\$.15	\$.12	\$.09
15333	DC10	JVP	10pF	50	20	5	*	.06	.04	.032	.025
332312	CD10/1000	JVP	10pF	1000	20	6	*	.09	.08	.07	.06
332322	CD20/1000	JVP	20pF	1000	20	5	.29	.22	.17	.14	.11
15405	DC22	JVP	22pF	50	20	6	*	.07	.05	.04	.03
15407	DC22	JVP	22pF	50	20	6	*	.09	.07	.05	.04
332217	CD33/50	JVP	33pF	50	20	5	*	.10	.08	.06	.04
1947010	DC33TR	JVP	33pF	100	10	5	*	.10	.08	.06	.04
1947028	DC33ATR	JVP	33pF	500	5	5	*	.10	.08	.06	.04
15512	DC47	JVP	47pF	50	20	5	*	.09	.07	.05	.04
1947036	DC47TR	JVP	47pF	500	5	6	*	.09	.07	.05	.035
15341	DC100	JVP	100pF	50	20	5	*	.06	.04	.03	.02
1947044	DC100TR	JVP	100pF	100	10	8	*	.07	.05	.04	.02
332363	CD120/1000	JVP	120pF	1000	20	5	*	.15	.12	.09	.07
15413	DC220	JVP	220pF	50	20	5	*	.06	.04	.025	.015
1947132	DC220TR	JVP	220pF	50	5	8	*	.09	.07	.05	.03
1947301	DC330TR	JVP	330pF	100	20	5	*	.09	.07	.05	.03
15528	DC470	JVP	470pF	50	20	5	*	.07	.05	.03	.025
1947319	DC470TR	JVP	470pF	100	20	5	*	.09	.07	.05	.03
15190	DC.001	JVP	.001μF	50	20	6	*	.07	.05	.04	.03
15192	DC.001	JVP	.001μF	50	20	6	*	.07	.05	.04	.03
1947394	DC.001ATR	JVP	.001μF	500	20	4	*	.07	.06	.05	.035
1947415	DC.001BTR	JVP	.001μF	500	10	7	*	.07	.06	.05	.035
332436	CD1000/1000	JVP	.001μF	1000	20	5	*	.19	.15	.12	.09

TR at the end of Product Number are Tape and Reel

* Order in multiples of 10

Part No.	Product No.	Mfr.	Value	Volt (V)	Tol.	Dia. (mm)	Pricing				
							1	10	100	1000	5000
1947327	DC.0022TR	JVP	.0022μF	25	20	4	*	\$.07	\$.05	\$.03	\$.02
1947386	DC.0022ATR	JVP	.0022μF	500	20	7	*	.09	.08	.07	.05
332443	CD2200/1000	JVP	.0022μF	1000	20	6	*	.17	.15	.12	.09
1947407	DC.0033	JVP	.0033μF	500	20	9	*	.07	.05	.03	.02
15211	DC.0047	JVP	.0047μF	50	20	6	*	.09	.07	.05	.04
1947335	DC.0047TR	JVP	.0047μF	100	20	5	*	.09	.07	.05	.04
15229	DC.01	JVP	.01μF	50	20	6	*	.06	.04	.032	.025
15231	DC.01	JVP	.01μF	50	20	6	*	.07	.05	.035	.03
97375	DC.01/1K20	JVP	.01μF	1000	20	6	*	.19	.15	.12	.09
97377	DC.01/1K20	JVP	.01μF	1000	20	8	*	.25	.19	.15	.12
1936898	S103M475JUN63K0	VSH	.01μF	1000	20	10	*	.19	.15	.12	.10
332487	CD20000/1000	JVP	.02μF	1000	20	16	.55	.45	.35	.29	.22
15245	DC.022	JVP	.022μF	50	20	8	*	.08	.06	.045	.039
1947351	DC.047B	JVP	.047μF	25	20	7	*	.09	.07	.05	.03
15253	DC.047	JVP	.047μF	50	20	8	*	.12	.09	.07	.05
332507	CD50000/1000	JVP	.05μF	1000	20	16	.59	.49	.39	.35	.29
151116	DC.1/25	JVP	.1μF	25	20	6	*	.13	.11	.08	.06
151118	DC.1/25	JVP	.1μF	25	20	6	*	.15	.12	.09	.06
2146302	DC.1-5MM	JVP	.1μF	50	20	5	*	.15	.12	.09	.07
15270	DC.1	JVP	.1μF	50	20	8	*	.19	.15	.12	.09
2146311	SC45V1H104Z	JVP	.1μF	50	20	10	*	.19	.15	.12	.09
15272	DC.1	JVP	.1μF	50	20	8	.29	.25	.19	.15	.12
332516	CD100000/1000	JVP	.1μF	1000	20	21	.59	.49	.39	.35	.29

TR at the end of Product Number are Tape and Reel

Monolithic Radial Ceramic Capacitors (±5, ±10 or ±20%)

NPO (COG) Series (±5%)

- Operating temp. range: -55°C to +125°C

Order in multiples of 10

Part No.	Product No.	Mfr.	Value	Volt. (V)	Size (mm)* W x T x H x L.S.	Pricing				
						1	10	100	1000	5000
332523	COG10/100	JVP	10pF	100	4.0 x 2.0 x 3.2 x 5.1	\$.15	\$.12	\$.09	\$.07	\$.07
332541	COG22/100	JVP	22pF	100	3.6 x 2.3 x 3.6 x 2.5	.13	.09	.07	.05	.05
2080323	RD15CG-390M	PDC	39pF	50	4.0 x 2.0 x 3.6 x 2.5	.09	.07	.05	.04	.04
332567	COG47/100	JVP	47pF	100	3.8 x 2.0 x 3.3 x 2.5	.15	.12	.09	.07	.07
332574	COG68/100	JVP	68pF	100	3.6 x 1.5 x 3.6 x 5.1	.15	.12	.09	.07	.07

X7R Series (±10%)

- Operating temp. range: -55°C to +125°C

* Order in multiples of 10

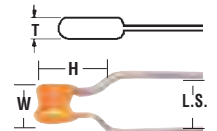
Part No.	Product No.	Mfr.	Value	Volt. (V)	Size (mm)* W x T x H x L.S.	Pricing				
						1	10	100	1000	5000
332583	MOC100/100	JVP	100pF	100	5.0x5.0x3.0x2.5	*	\$.15	\$.12	\$.09	\$.07
332612	MOC470/100	JVP	470pF	100	5.0x5.0x3.0x2.5	*	.19	.15	.12	.09
544825	SR151C102KAA	JVP	1000pF	100	3.8x2.5x3.8x2.5	*	.19	.15	.12	.09
544833	SR151C103KAA	JVP	.01μF	100	3.8x2.5x3.8x2.5	*	.11	.08	.06	.04
597281	SR211C103KAA	JVP	.01μF	100	3.8x2.5x3.8x5.1	*	.12	.09	.07	.05
332647	MOC10000/100	JVP	.01μF	100	5.0x5.0x3.0x2.5	*	.15	.12	.09	.07
332655	MOC22000/100	JVP	.022μF	100	5.0x5.0x3.0x2.5	*	.15	.12	.09	.05
544905	SR211C333KAA	JVP	.033μF	100	3.8x2.5x3.8x5.1	*	.19	.15	.12	.09
544913	SR211C473KAA	JVP	.047μF	100	3.8x2.5x3.8x5.1	.35	.25	.19	.15	.12
544921	SR215C104KAA	JVP	.1μF	50	3.8x2.5x3.8x5.1	*	.14	.11	.08	.06
544884	SR211C104KAA	JVP	.1μF	100	3.8x2.5x3.8x5.1	*	.15	.12	.09	.08
332672	MOC100000/100	JVP	.1μF	100	5.0x5.0x3.0x2.5	*	.15	.12	.09	.08
544948	SR305C474KAA	JVP	.47μF	50	3.8x2.5x3.8x5.1	.55	.45	.39	.35	.29

* Capacitor dimensions and styles may vary † ±20% Note: Above case sizes may have ± tolerances

Applications:

- Data processing
- Communications engineering

*Web Code: JBW



25U Series (±20%)

- Operating temp. range: +10°C to +85°C

* Order in multiples of 10

Part No.	Product No.	Mfr.	Value	Volt. (V)	Size (mm)* W x T x H x L.S.	Pricing			
						1	10	100	1000
81543	MD10	JVP	10pF	50	3.5 x 2.0 x 3.0 x 2.5	*	\$.09	\$.07	\$.05
81533	MD22	JVP	22pF	50	4.0 x 2.0 x 4.0 x 5.1	*	.12	.09	.07
81525	MD100	JVP	100pF	50	3.3 x 2.0 x 3.0 x 2.5	*	.12	.09	.05
81517	MD.001	JVP	.001μF	50	4.5 x 2.0 x 3.0 x 2.5	*	.10	.08	.06
138202	MD.0047	JVP	.0047μF	50	3.3 x 2.2 x 5.5 x 4.6	*	.09	.05	.035
25507	MD.01	JVP	.01μF	50	3.5 x 2.0 x 3.0 x 2.5	*	.12	.09	.07
57621	MD.047	JVP	.047μF	50	2.5 x 2.5 x 3.0 x 2.5	*	.12	.09	.07
25523	MD.1	JVP	.1μF	50	6.0 x 2.0 x 4.0 x 5.1	*	.08	.06	.045
544868	SR205E104MAA	JVP	.1μF	50	4.0 x 2.6 x 3.8 x 2.5	*	.10	.07	.05
25525	MD.1	JVP	.1μF	50	3.4 x 2.2 x 3.6 x 5.1	*	.11	.08	.06
25540	MD.22	JVP	.22μF	50	6.0 x 2.0 x 4.5 x 5.1	*	.15	.12	.09
138237	MD.33	JVP	.33μF	50	6.0 x 2.0 x 8.0 x 5.1	*	.15	.12	.09
544930	SR215E334MAA	JVP	.33μF	50	3.8 x 2.5 x 3.8 x 5.1	*	.15	.12	.09
25558	MD.47	JVP	.47μF	50	4.5 x 2.5 x 4.5 x 5.1	*	.17	.14	.11
81509	MD1	JVP	1μF	50	6.0 x 3.0 x 7.0 x 5.1	.35	.29	.22	.17
544956	SR305E105MAA	JVP	1μF	50	3.8 x 2.5 x 3.8 x 5.1	.39	.32	.25	.19

* Capacitor dimensions and styles may vary

Note: Above case sizes may have ± tolerances

CERAMIC DISC CAPACITOR GRAB BAGS

200 Assorted: P/N 17857 \$6.95

900 Assorted: P/N 135335 \$19.95

See page 39 for details.



* JVP = Jameco ValuePro | PDC = Prosperity Dielectric Co. | VSH = Vishay

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

4 LEVELS OF SAVINGS			
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

JAMECO ValuePro Ceramic Trimmer Capacitors

5mm

- Working voltage: 200VDC
- Turning torque: 35~200 g-cm
- Oper. temp. range: -30°C ~ +85°C
- Withstand volt.: 400VDC
- Q Factor @ 1MHz: >200
- Insulation resis.: >10MΩ min. @ 250VDC

Part No.	Capacitance Range (pF)	Color Code	1	10	100	1000
136979	9.0-50.0	Green	\$.79	\$.69	\$.59	\$.49

8mm (.315")

- Turning torque: 40~200 g-cm
- Operating temp. range: -55°C ~ +85°C
- Insulation resis.: 10MΩ min. @ 250VDC
- Withstand volt.: 550VDC
- Working volt.: 250VDC
- Q Factor @ 1MHz: >300

Part No.	Capacitance Range (pF)	Color Code	1	10	100	1000
134818	3.5-13.0	Ivory	\$.59	\$.49	\$.39	\$.29
32839	4.0-34.0	Yellow	.99	.89	.79	.65
32855	6.0-70	Nil	.99	.89	.79	.65
94449	8.5-100	Purple	1.09	.99	.89	.75
94466	8.5-120	Nil	1.25	1.09	.99	.89

* Ceramic Trimmer Capacitors — Enter Web Code PBZ

JAMECO ValuePro Memory Back-Up Capacitors

Applications:

- Back-up on CMOS microcomputers, static RAM, DTSs (digital tuning systems)
- Memory back-up of remote controllers

Features:

- Small size vs. capacitance
- Voltage: 5.5VDC, 8VDC

Part No.	Cross Ref. No.	Value (F)	Size (mm) L x T x Dia.	1	10	100
2082409	MBC.047/8	0.047	13.7x 7.8 x 13.1	\$1.49	\$1.35	\$1.19
142949	MBC.22/5.5	0.22	11.8 x 6.4 x 12.8	2.95	2.75	2.49
142957	MBC1.0/5.5	1.0	N/A x 7.4 x 20.8	3.95	3.49	2.95
227811	S5R5V105	1.0	24.2 x 4.8 x 18.0	3.95	3.49	2.95

* Motor Capacitors Available Online — Enter Web Code MCS

* SMT Trimmer Capacitors Available Online — Enter Web Code SMT

Dipped Silver Mica Capacitors (±5%)

Metallized Polyester Film

- Case type: DM15
- Operating temp. range: -55° to +125°C
- Tolerance: ±5%

Part No.	Product No.	Value	Volt. (V)	Size (mm) L x T x H*	1	10	100	1000
15991	DM100	10pF	500	11 x 4 x 9	\$.69	\$.65	\$.59	\$.55
16037	DM220	22pF	500	11 x 4 x 9	.69	.65	.59	.49
16096	DM470	47pF	500	11 x 4 x 9	.75	.69	.65	.55
16002	DM101	100pF	500	11 x 4 x 9	.75	.69	.65	.55
16088	DM331	330pF	500	11 x 4 x 9	.95	.85	.75	.59
16109	DM471	470pF	500	11 x 4 x 9	1.49	1.25	1.09	.99
531266	CD19FD681J03	680pF	500	15 x 4 x 10	1.59	1.45	1.25	1.09
16011	DM102	1000pF	100	11 x 4 x 9	1.65	1.59	1.45	1.25

* Capacitor dimensions and styles may vary

JAMECO ValuePro



Case Size (Dimensions in mm)

EIA Case Code	L ±0.2	W ±0.2	H ±0.2	P ±0.3	a ±0.2	h(min)
A (3216-18)	3.2	1.6	1.7	0.8	1.2	0.7
B (3528-21)	3.5	2.8	1.9	0.8	2.2	0.7
C (7343-31)	7.3	4.3	2.9	1.3	2.4	1.0

Resin Molded Solid Tantalum Chip Capacitors (±10%)

* Web Code: WAE

* Order in multiples of 10

Part No.	Case Size	Value (μF)	Volt.	1	10	100	1000
544981	A	1μF	16	\$.05	\$.04	\$.03	
850224	A	10μF	16	.19	.15	.12	
545158	B	2.2μF	35	.09	.07	.05	

† Manufacturer: AVX

* Order in multiples of 10

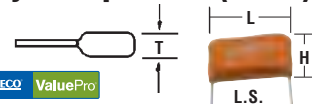
Part No.	Case Size	Value (μF)	Volt.	1	10	100	1000
545334	C	15μF	35	\$.09	\$.08	\$.07	
597388	C	*15μF	35	.19	.15	.12	
597433	C	*22μF	35	.49	.45	.39	.35

* Low ESR

* Multilayer Ceramic Chip Caps Available Online — Enter Web Code MCD

Metallized Polyester Film Mylar Capacitors (±10%)

- Non-inductive construction
- Operating temp. range: -40°C to +85°C
- Dissipation factor: 0.01 (at 1kHz)
- Dielectric strength: 150% of rated volt. for 5 sec.



JAMECO ValuePro

* Web Code: RAD

* Order in multiples of 10

Part No.	Product No.	Value (μF)	Volt. (V)	Size (mm)* L x T x H x L.S.	1	10	100	1000
26833	MY.001	.001	100	7.0 x 3.0 x 7.0 x 5.1	\$.12	\$.09	\$.07	
1946164	MY.0068	.0068	100	5.5 x 2.5 x 10 x 5.1	.12	.09	.07	
26884	MY.01	.01	100	6.0 x 3.0 x 7.0 x 5.1	.17	.15	.12	
207837	MY.018/50	.018	50	6.1 x 2.6 x 11.3 x 5.1	.07	.05	.035	
26905	MY.022	.022	100	6.0 x 3.0 x 10 x 5.1	.17	.15	.12	
26921	MY.033	.033	100	8.0 x 4.0 x 11 x 16.1	.19	.17	.15	
26930	MY.047	.047	100	8.0 x 4.0 x 12 x 5.1	.19	.15	.12	
1946172	MY.068	.068	100	8.6 x 4.0 x 11 x 7.6	.19	.15	.12	
135562	MY.1/50	.1	50	14 x 6.0 x 12 x 5.1	.09	.08	.075	
26956	MY.1	.1	100	12.5 x 5.0 x 9.5 x 7.6	.29	.22	.17	.14
93921	MY.1/250	.1	250	12.5 x 5.5 x 10 x 10.1	.29	.22	.17	.14
26972	MY.22	.22	100	12.5 x 5.5 x 10 x 7.6	.29	.22	.17	.14
1946181	MY.22SM	.22	100	12.5 x 5.0 x 8.5 x 10.1	.15	.12	.09	
93964	MY.33/250	.33	250	18 x 7.0 x 12.5 x 15.2	.35	.29	.25	.19
26999	MY.47	.47	100	18 x 6.0 x 11.5 x 16.1	.49	.39	.35	.25
27001	MY1	1.0	100	18 x 7.5 x 14 x 15.2	.59	.49	.39	.35
2129852	MKT368	6.8	100	27 x 10 x 18 x 22	.65	.59	.49	.35
93981	MY1/250	1.0	250	26 x 9.0 x 16 x 15.2	.69	.65	.55	.45
93999	MY2.2/250	2.2	250	26 x 9.0 x 16 x 27.9	1.25	.99	.79	.65

±20% tolerance * Capacitor dimensions and styles may vary † Manufacturer: Vishay

Panasonic® Metallized Film Capacitors (±5%)

V Series — Stacked

- Operating temp. range: -40°C to 85°C
- Low dissipation factor: 1% max.

* Web Code: RAD

Order in multiples of 10

Part No.	Mfr. Part No.	Value (μF)	Voltage	Dimensions (mm) W x H x Th. x L.S.	1	100	500
920510	ECQ-V1H104JL	.1	50	7.3 x 4 x 5 x 5	\$.19	\$.15	\$.12
920595	ECQ-V1H474JL	.47	50	7.3 x 6 x 7.3 x 5	.25	.22	.17

* SMD Aluminum Electrolytic Capacitors Available Online — Enter Web Code BCE

J.W. Miller Series Chokes

* Web Code: WBG

* Order in multiples of 10

Part No.	Cross Ref. No.	Description	Inductance Value (μH) ±10%	1	10	100
208194	CEC-101J	Conformal coated choke	100	\$.19	\$.15	\$.12
642492	5300-25	Conformal coated RF choke	100	.55	.39	.29
642601	5800-101	High current axial RF choke	100	.69	.55	.39
208240	CEC-102J	Conformal coated choke	1000	.19	.15	.12
642695	5800-102	High current axial RF choke	1000	.69	.55	.39
372550	9250-225	Molded RF choke	2200	.95	.75	.55
642724	5800-472	High current axial RF choke	4700	.69	.55	.39
642741	5800-103	High current axial RF choke	10000	.69	.55	.39
642927	5900-103	High current axial RF choke	10000	.99	.79	.59

JAMECO ValuePro

1/8-Watt Carbon Film Resistor ($\pm 5\%$) Assortment

★ Web Code: CAP

Part No.	Cross Ref.	Values	Description (see chart, below)	1	5
108303	ASST1830R	\times #	10 ea. of 24 values marked by \times and 50 ea. of 6 values marked below by # (540 pcs.)	\$14.95	\$13.49

1/8-Watt Resistor Assortment Values (Ohms)

10 \times	150 \times	330 \times	680 \times	2.0k \times	3.3k \times	5.6k \times	15k \times	33k \times	470k \times
47 \times	220 #	390 \times	1.0k #	2.2k \times	4.7k #	6.8k \times	22k \times	47k \times	1.0M \times
100 #	270 \times	470 \times	1.5k \times	2.7k \times	5.1k \times	10k #	27k \times	100k #	10M \times

JAMECO ValuePro

1/4-Watt Carbon Film Resistors ($\pm 5\%$) RoHSAssortment Pricing: 1/4-Watt Carbon Film Resistors ($\pm 5\%$)

Assortments may not be combined for quantity price breaks

Part No.	Cross Ref. No.	Values Included	Description (see chart below)	Pricing		
				1	5	50
10720	ASST8-R	—	5 ea. 70 values (350 pcs.)	\$10.95	\$9.95	\$8.95
2131039	K/RES-E12	—	10 ea. 61 values (610 pcs.)	11.95	10.95	9.95
103166	ASST30-R	● *	10 ea. 24 values marked ● and 50 ea. 6 values marked * (540 pcs.)	14.95	13.49	11.95
10664	ASST27-R	▲	100 ea. 27 values marked (2,700 pcs.)	29.95	26.95	24.95
81832	—	—	1/4-watt resistor cabinet kit 30 values, see pg 38 (540 pcs.)	29.95	26.95	24.95

Single Value Resistor Pricing: 1/4-Watt Carbon Film Resistors ($\pm 5\%$)

To order: Use part number adjacent to ohms in chart below.

Values may not be combined for quantity price breaks.

Pricing per Resistor (Please order in increments of 100)			
Specify Part No. & Resistor Value	100	1000	5000
(see Standard Resistor Values Chart below)	\$.04	\$.03	\$.02

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
690216	2.2	690427	15	690620	▲*	690822	▲●	691024	▲*	691227	▲●	691420	220k	691622	1.5M
690224	2.4	690435	16	690638	110	690831	750	691032	▲*	691235	36k	691438	240k	691631	1.6M
690232	2.7	690443	18	690646	120	690849	820	691041	▲●	691243	39k	691446	270k	691892	1.8M
690241	3.0	690451	20	690654	130	690857	910	691059	6.2k	691251	43k	691454	300k	691649	2.0M
690259	3.3	690460	22	690662	▲●	690865	▲*	691067	6.8k	691260	47k	691462	330k	691657	2.2M
690267	3.6	690478	24	690671	160	690873	1.1k	691075	7.5k	691278	51k	691471	360k	691665	2.4M
690275	3.9	690486	27	690689	180	690881	●	691083	8.2k	691286	56k	691489	390k	691673	2.7M
690283	4.3	690494	30	690697	200	690890	1.3k	691091	9.1k	691294	62k	691497	430k	691681	3.0M
690291	4.7	690507	33	690700	▲*	690902	▲●	691104	▲*	691307	68k	691500	470k	691690	3.3M
690304	5.1	690515	36	690718	240	690911	1.6k	691112	11k	691315	75k	691518	510k	691702	3.6M
690312	5.6	690523	39	690726	▲●	690929	1.8k	691121	12k	691323	82k	691526	560k	691711	3.9M
690321	6.2	690531	43	690734	270	690937	▲●	691139	13k	691331	91k	691534	620k	691737	4.7M
690339	6.8	690540	47	690742	▲●	690945	▲●	691147	▲●	691340	▲*	691542	680k	691745	5.1M
690347	7.5	690558	51	690751	360	690953	2.4k	691155	16k	691358	110k	691551	750k	691753	5.6M
690363	8.2	690566	56	690769	●	690961	▲●	691163	18k	691366	120k	691569	820k	691761	6.2M
690371	9.1	690574	62	690777	430	690970	3.0k	691171	●	691374	130k	691577	910k	691770	6.8M
690380	▲●	690582	68	690785	▲●	690988	▲●	691180	▲●	691382	150k	691585	▲●	691788	7.5M
690398	11	690591	75	690793	510	690996	3.6k	691198	22k	691391	160k	691593	1.1M	691796	8.2M
690401	12	690603	82	690806	560	691008	3.9k	691201	27k	691403	180k	691606	1.2M	691809	9.1M
690419	13	690611	91	690814	620	691016	4.3k	691219	30k	691411	200k	691614	1.3M	691817	▲●

JAMECO ValuePro

1/2-Watt Carbon Film Resistors ($\pm 5\%$)Assortment Pricing: 1/2-Watt Carbon Film Resistors ($\pm 5\%$)

Assortments may not be combined for quantity price breaks

Single Resistor Value Pricing: 1/2-Watt Carbon Film Resistors ($\pm 5\%$)

To order: Use part number adjacent to ohms in chart below.

Values may not be combined for quantity price breaks.

Pricing Per Resistor (Please order in increments of 100)			
Specify Part No. & Resistor Value	100	1000	5000
(see Standard Resistor Values Chart below)	\$.05	\$.04	\$.03

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
659577	℞ 1.0	659868	℞ 16	661280	℞ 120	661440	℞ 560	661600 ✓×	℞ 2.7k	661781	℞ 13k	661950	℞ 68k	662215	℞ 820k
659614	℞ 1.5	659884	℞ 20	661301 ✓×	℞ 150	661466 ✓×	℞ 680	661618	℞ 3.0k	661790 ✓×	℞ 15k	661976	℞ 82k	662231 ✓×	℞ 1.0M
659657	℞ 2.2	659892	℞ 22	661327	℞ 180	661474	℞ 750	661634 ✓×	℞ 3.3k	661811	℞ 18k	661992 ✓#	℞ 100k	662240	℞ 1.1M
659673	℞ 2.7	661124	℞ 27	661335	℞ 200	661482	℞ 820	661642	℞ 3.6k	661829	℞ 20k	662004	℞ 110k	662282	℞ 1.6M
659737	℞ 4.7	661141	℞ 33	661343 ✓#	℞ 220	661503 ✓#	℞ 1.0k	661651	℞ 3.9k	661837 ✓×	℞ 22k	662039	℞ 150k	662291	℞ 1.8M
659788	℞ 7.5	661183 ✓×	℞ 47	661351	℞ 240	661520	℞ 1.2k	661677 ✓#	℞ 4.7k	661845	℞ 24k	662071	℞ 220k	662311	℞ 2.2M
659809	℞ 9.1	661191	℞ 51	661360 ✓×	℞ 270	661538	℞ 1.3k	661685 ✓×	℞ 5.1k	661853 ×	℞ 27k	662098	℞ 270k	662320	℞ 2.4M
659817 ✓×	℞ 10	661204	℞ 56	661378	℞ 300	661546 ✓×	℞ 1.5k	661693 ✓×	℞ 5.6k	661870 ✓×	℞ 33k	662119	℞ 330k	662362	℞ 3.6M
659825	℞ 11	661221	℞ 68	661386 ✓×	℞ 330	661554	℞ 1.6k	661714 ×	℞ 6.8k	661896	℞ 39k	662127	℞ 360k	662397	℞ 4.7M
659833	℞ 12	661239	℞ 75	661407 ×	℞ 390	661562	℞ 1.8k	661731	℞ 8.2k	661909	℞ 43k	662135	℞ 390k	662426	℞ 6.2M
659841	℞ 13	661247	℞ 82	661423 ✓×	℞ 470	661571 ✓×	℞ 2.0k	661757 ✓#	℞ 10k	661917 ✓×	℞ 47k	662151 ✓×	℞ 470k	662469	℞ 9.1M
659850	℞ 15	661263 ✓#	℞ 100	661431	℞ 510	661589 ✓×	℞ 2.2k	661773	℞ 12k	661933	℞ 56k	662186	℞ 620k	662477 ✓×	℞ 10M

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed AboveOrder by Phone at 1-800-831-4242 or Online at www.Jameco.com

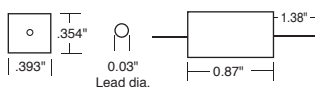
Resistors, Resistor Networks & Potentiometers

4 LEVELS OF SAVINGS			
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE



5-Watt Wirewound Resistors (5%)

- Temperature range: -55°C to +155°C
- Moisture resistant
- High temperature stability
- Exceptionally small, sturdy and reliable



See resistor value chart on right	1	10	100	500
Pricing	\$.49	\$.45	\$.39	\$.35

Dual-In-Line "DIP" Resistor Networks ±2% (G)

16-Pin (140mW/Resistor) ±2%

- Max. operating voltage: 100V
- Temp. coefficient: ±100ppm/°C
- Operating temp.: -55°C to +125°C
- Insulation res.: 10,000MΩ min.

* Order in multiples of 10

	1	10	100	500
Pricing	\$.59	\$.55	\$.49	\$.45

* Web Code: GAP

Part No.	Ohms	Part No.	Ohms
108556	100	87601	*1.0k
856095	120	108610	4.7k
108564	220	108628	10k
108572	330	108644	100k
108581	470	855914	†100k
108599	1.0k		

* Bussed † 14-pin pkg.

0805 (1/8W) Chip Resistor Assortment (±5%) * Web Code: CKS

144 Values, 50 pcs. each

- 7,200 pieces total
- Max. overload volt.: 200V
- Case size (2 cases): 10.5"L x 6.7"W x 1.7"T
- Operating temp.: 70°C
- Weight: 1.9 lbs.
- Size (mm): 2.0L x 1.25W x 0.5Thick

Includes: Case with labels

Part No.	Product No.	1	5	25
172806	16-500	\$79.95	\$69.95	\$59.95

Resistance Value Chart:

2.2	12	91	3.0k	16k	75k	470k	2.7M
2.4	20	100	3.3k	18k	82k	510k	3.0M
2.7	22	120	3.6k	20k	91k	560k	3.3M
3.0	27	150	3.9k	22k	100k	620k	3.6M
3.3	30	180	4.3k	24k	120k	680k	3.9M
3.6	33	200	4.7k	27k	150k	750k	4.3M
4.0	36	220	5.1k	30k	160k	820k	4.7M
4.3	39	240	5.6k	33k	180k	91k	5.1M
4.7	43	270	6.2k	36k	200k	100k	5.6M
5.1	47	300	6.8k	39k	220k	110k	6.2M
5.6	51	330	7.5k	43k	240k	120k	6.8M
6.2	56	360	8.2k	47k	270k	130k	7.5M
6.8	62	390	9.1k	51k	300k	150k	8.2M
7.5	68	430	10k	56k	330k	160k	9.1M
8.2	75	470	12k	62k	360k	180k	10M
9.1	82	510	15k	68k	400k	200k	

125mW SIP Bussed Conformal Coated Resistor Network

* Web Code: WRN



Part No.	Pins	Ohms	Tol. (±%)
268032	6	10k	2
2077802	8	8.2k	5
97826	8	10k	2
97851	10	330	2
97869	10	470	2
97877	10	1.0k	2
97893	10	2.2k	2
24660	10	4.7k	2

Order in multiples of 10

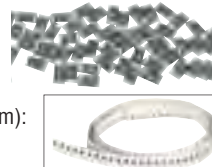
	10	100	500
Pricing	\$.22	\$.19	\$.15

Part No.	Pins	Ohms	Tol. (±%)
98095	10	10k	2
24643	10	10k	2
2077714	10	10k	5
2078080	10	10k	5

1206 (1/4W) Chip Resistor Assortment (±1%) * Web Code: CKS

56 Values, 200 pcs. each; 11,200 pcs. Total

- Maximum working voltage: 200V
- Operating temp.: 70°C
- Temp. coefficient: ±100 ppm/°C
- Resistor dimensions (mm): 3.10L x 1.5 W x 0.55H
- Packaged 200 pc. strip



Value Chart (Ohms)

10	121	1.5k	20k	243k
12.1	150	2k	24.3k	301k
15	200	2.43k	30.1k	392k
20	243	3.01k	39.2k	499k
24.3	301	3.92k	49.9k	619k
30.1	392	4.99k	61.9k	790k
39.2	499	6.19k	79k	909k
49.9	619	7.9k	90.9k	1M
61.9	790	9.09k	100k	
79	909	10k	121k	
90.9	1k	12.1k	150k	
100	1.21k	15k	200k	

Part No.	Cross Ref. No.	1	5	25
156882	SMR1206SB	\$99.95	\$89.95	\$74.95



Expanded Offering of Thousands of Resistors at www.Jameco.com

1/4W 1% Metal Film Resistors

- Wire leads
- Color bands

* Web Code: MFR

MFR Series - 3 Values

Order in multiples of 100

Qty.	100	1000	5000	10000
MF-25	\$.009	\$.008	\$.007	\$.006

* SIP Resistor Networks Available Online — Enter Web Code WRN

RC Series 1% SMD Thick Film Resistors

- Op. temperature: +55°C to 125°C
- General purpose

* Web Code: SMF

Order in multiples of 100

Qty.	100	1000	5000	10000
0603 - 1 Value	\$.025	\$.019	\$.012	\$.09
0805 - 6 Values	.009	.008	.007	.006
1206 - 2 Values	.009	.008	.007	.006

RC Series 5% SMD Thick Film Resistors

- Op. temperature: +55°C to 125°C
- General purpose

* Web Code: THF

Order in multiples of 100

Qty.	100	1000	5000	10000
0805 - 5 Values	\$.01	\$.009	\$.008	\$.007
1206 - 4 Values	.025	.02	.015	.01

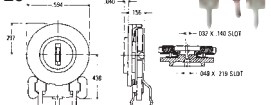
1/4-Watt Miniature Linear (±20%)

X201 (19/32") Vertical Mount Trimmer

- 15mm thick • Volt. rating: 350VDC
- Power rating: below 5kΩ - 1/4 watt @ 40°C; 5kΩ & above - 1/4 watt @ 55°C
- Total rotation: 260° ±5°

Cross Ref. Chart

Equivalent to:	
CTS	X201R
Bourns	3355X
PIHER	PT15



Qty.	1	10	100	500
Pricing	\$.55	\$.45	\$.39	\$.35

Part No.	Cross Ref. No.	Ohms	Part No.	Cross Ref. No.	Ohms
94693	X201R1K	1k	94722	X201R50K	50k
35503	X201R2.5K	2.5k	94731	X201R100K	100k
94714	X201R10K	10k			

1/2-Watt, 3/8" Square, Single-Turn Trimmer Potentiometers w/ Shaft

- 3 positions
- Shaft length: 0.32"
- 0.1" lead spacing

* Web Code: TDF

Part No.	Mfr. Part No.	Value	1	10	100
2118803	18STS1K	1kΩ	\$1.49	\$1.35	\$1.19
2118791	18STS10K	10kΩ	1.95	1.75	1.49

BEST SELLING DIGITAL POTENTIOMETERS

Part No.	1	10
241752	\$1.95	\$1.75
241744	1.49	1.25

* Web Code: JBP

1/4-Watt 24mm Audio Taper (±20%)

- Body diameter: 0.945"
- Shaft diameter: 0.250"
- Terminal type: solder lugs
- Rotational angle: 300° (±5°)
- Max. voltage: 250V
- Insulation resistance: >100MΩ @ 500VDC

* Web Code: MBQ

255426

Qty.	1	10	100
Pricing	\$1.55	\$1.39	\$1.25

Part No.	Manufacturer Part No.	Shaft Length	Ohms
255397	RV24AF-10-15R1-A13	0.335"	1k
255426	RV24AF-10-15R1-A14	0.335"	10k
255434	RV24AF-10-15R1-A54	0.335"	50k
255442	RV24AF-10-15R1-A15	0.335"	100k
255451	RV24AF-10-15R1-A55	0.335"	500k
255469	RV24AF-10-15R1-A16	0.335"	1M

CLOSEOUT SIP CONFORMAL COATED BUSSED RESISTOR NETWORKS

Part No.	Pins	Ohms	Tol. % +/-	Part No.	Pins	Ohms	Tol. % +/-
267944	6	2.2k	2	2077757	10	5.6k	2
97797	8	2.2k	2	2077933	10	20k	2
2077837	8	150	5	2077669	10	100	5



RESISTOR COMPONENT CABINET KITS

Part No.	Description	Price
108329	1/8 Watt, 5%, 540 pcs, 30 values	\$29.95
81832	1/4 Watt, 5%, 540 pcs, 30 values	29.95
107879	1/2 Watt, 5%, 540 pcs, 30 values	39.95

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

1/8 & 1/5-Watt 16mm Linear Taper Potentiometers ($\pm 20\%$)

- Rated voltage: 200V
- Body diameter: 0.63"
- Shaft diameter: 0.250"
- Insulation resistance: $>100M\Omega$ @ 500VDC

286193



1/8-Watt ($\pm 20\%$)

- Rotational angle: $300^\circ (\pm 5^\circ)$
- Rotation life: 15k cycles

Qty.	1	10	100
Pricing	\$1.39	\$1.19	\$1.05

Part No.	Manufacturer Part No.	Shaft Length	Ohms
286193	RV16AF-10-20R1-B53	0.531"	5k
286206	RV16AF-10-20R1-B14	0.531"	10k
286214	RV16AF-10-20R1-B54	0.531"	50k
286222	RV16AF-10-20R1-B55	0.531"	500k

1/5-Watt ($\pm 20\%$)

- Shaft diameter: 0.25"
- Body diameter: 0.63"

Qty.	1	10	100	500
Pricing	\$1.59	\$1.35	\$1.15	\$0.99

Part No.	Manufacturer Part No.	Shaft Length	Ohms
286249	RV16AF-10-15R1-B13	0.335"	1k
286265	RV16AF-10-15R1-B53	0.335"	5k
286273	RV16AF-10-15R1-B14	0.335"	10k
286302	RV16AF-10-15R1-B15	0.335"	100k
286337	RV16AF-10-15R1-B16	0.335"	1M
163563	PMD401K*	0.605"	10k

*10 detents



1/2-Watt 24mm Linear Taper ($\pm 10\%$)

- Temp. range: -55°C to $+125^\circ\text{C}$
- Non-rotational key, non-slotted shaft end
- Maximum panel thickness: 0.1875"
- Mounting hole: 0.3125"
- Shaft dia.: 0.25"
- Shaft length: 0.355"

Includes: Mounting hardware



Qty.	1	10	100	500
Pricing	\$1.25	\$1.09	\$0.95	\$0.85

Part No.	Cross Ref.	Ohms	Part No.	Cross Ref.	Ohms
29050	P1K	1k	29082	P10K	10k
213675	B1K	1k	29103	P100K	100k
29197	P5K	5k	29066	P1MEG	1M

*Mounting hole: 0.375"; shaft length: 0.375"

1/2-Watt 24mm Linear Taper with SPST Switch ($\pm 20\%$)

- Shaft diameter: 0.25"
- Maximum voltage: 500V
- Terminal type: solder lugs
- Switch rating: 125VAC, 1A
- Rotational angle: $300^\circ (\pm 5^\circ)$



Qty.	1	10	100
Pricing	\$1.95	\$1.75	\$1.59

Part No.	Manufacturer Part No.	Shaft Length	Ohms
263768	RV24A01F-10-15R1-B13	0.335"	1k
263792	RV24A01F-10-15R1-B14	0.335"	10k
263813	RV24A01F-10-15R1-B54	0.335"	50k
263822	RV24A01F-10-15R1-B100K	0.335"	100k
263848	RV24A01F-10-15R1-B55	0.335"	500k

*Linear Taper Potentiometers — Enter Web Code JAE

1/2-Watt 24mm Linear Taper ($\pm 20\%$)

- Rotational angle: $300^\circ (\pm 5^\circ)$
- Max. voltage: 500V
- Shaft Diameter: 0.25"
- Withstanding voltage for 1 minute: 500VAC

*Web Code: JAE

255477

264373

255662



Qty.	1	10	100
Pricing	\$1.49	\$1.35	\$1.19

Part No.	Manufacturer Part No.	Shaft Length	Ohms
255477	RV24AF-10-15R1-B52	0.335"	500
255485	RV24AF-10-15R1-B13	0.335"	1k
255493	RV24AF-10-15R1-B23	0.335"	2k
255514	RV24AF-10-15R1-B53	0.335"	5k
255522	RV24AF-10-15R1-B14	0.335"	10k
255531	RV24AF-10-15R1-BF4	0.335"	25k
255549	RV24AF-10-15R1-B54	0.335"	50k
255557	RV24AF-10-15R1-B15	0.335"	100k
255565	RV24AF-10-15R1-BF5	0.335"	250k
255573	RV24AF-10-15R1-B55	0.335"	500k
255582	RV24AF-10-15R1-B16	0.335"	1M
255600	RV24AF-10-15R1-B26	0.335"	2M
264373	RV24AF-10-20K-B52	0.531"	500
264402	RV24AF-10-20K-B53	0.531"	5k
264411	RV24AF-10-20K-B14	0.531"	10k
264437	RV24AF-10-20K-B15	0.531"	100k
264462	RV24AF-10-20K-B16	0.531"	1M
255662	RV24AF-10-40R1-B14	1.32"	10k
255696	RV24AF-10-40R1-B15	1.32"	100k

2-Watt 22mm Linear Taper ($\pm 10\%$)

RV4N Series (53C3)

- 2W @ 70°C ambient
- Non-rotational key
- Temp. range: -55°C to $+120^\circ\text{C}$
- Shaft length: 0.875"
- Shaft diameter: 0.25"
- Mounting hole: 0.375"
- Max. panel thickness: 0.25"

Includes: Mounting hardware



13936

Qty.	1	10	50
Pricing	\$10.95	\$9.95	\$8.95

Part No.	Military No.	Ohms	Part No.	Military No.	Ohms
241568	RV4NAYSD101A	100	13952	RV4NAYSD103A	10k
241584	RV4NAYSD251A	250	241656	RV4NAYSD203A	20k
183610	RV4NAYSD501A	500	241664	RV4NAYSD253A	25k
13936	RV4NAYSD102A	1k	95417	RV4NAYSD503A	50k
241613	RV4NAYSD202A	2k	13979	RV4NAYSD104A	100k
241621	RV4NAYSD252A	2.5k	241681	RV4NAYSD254A	250k
13995	RV4NAYSD502A	5k	241728	RV4NAYSD105A	1M



2W 22mm 10-Turn Linear Taper ($\pm 5\%$)



Part No.	Cross Ref. No.	Ohms	1	10	50
2111880	3540S-1-502L	5k	\$9.95	\$9.49	\$8.95

*1/2-Watt, 3/8" Square, Multi-Turn Trim Potentiometers — Enter Web Code TDF

Bourns® 2-Watt 22mm 10-Turn Wirewound ($\pm 5\%$)

*Web Code: JBE

- Insulation resis.: (500VDC) 1000M Ω min.
- Absolute min. resis.: 1Ω or 0.1% max.
- Operating temp. range: $+1^\circ\text{C}$ to $+125^\circ\text{C}$

3540S-1 Series: 2W @ 70°C ; metal
3590S-1 Series: 2W @ 40°C ; plastic
3540S-1 Series: 2W @ 40°C ; metal

183548



855818

Part No.	Mfr. Part No.	Ohms	1	10	50
183548	3540S-1-502L	5k	\$23.95	\$21.95	\$19.95
855818	3590S-2-502L	5k	12.95	11.95	10.95
183521	3540S-1-103	10k	19.95	18.95	17.95
771121	3590S-1-103L	10k	12.95	11.95	10.95
771155	3590S-2-103L	10k	12.95	11.95	10.95
771139	3590S-1-104L	100k	16.95	15.49	13.95



2 & 5-Watt 24mm Linear Taper Wirewound ($\pm 20\%$)

- Temp. range: -10°C to $+70^\circ\text{C}$
- Non-rotational key

Includes: Mounting hardware

2-Watt ($\pm 20\%$)

- Shaft length: 0.825"
- Shaft diameter: 0.25"
- Mounting hole: 0.375"
- Base length: 0.25"



123960

Part No.	Cross Ref. No.	Ohms	1	10	100
123960	PT1K	1k	\$4.75	\$3.95	\$3.49

5-Watt ($\pm 20\%$)

- Shaft length/diameter: 0.67"/0.23" (6mm)
- Mounting hole: 0.32"
- Maximum panel thickness: 0.1"



Part No.	Cross Ref. No.	Ohms	1	10	100
140514	PW5B100	100	\$3.75	\$3.39	\$2.95

1/2" Square, 0.5 Watt Series 308 Potentiometers

- Single conductive plastic, 0.5W
- 0.125"Dia. x 0.181"L
- Smooth shaft with slotted end
- Effective rotation: $265^\circ (\pm 5^\circ)$
- Electrical rotation: $295^\circ (\pm 5^\circ)$
- Linearity: $\pm 5\%$ independent



Part No.	Mfr. Part No.	Resistance	1	10	50
2125405	308N10K	10k Ω	\$2.49	\$2.25	\$1.95

*1/2-Watt, 1/4" Round, Cermet Potentiometers — Enter Web Code JDG

Bourns® 12mm Incremental Encoder

- Contact rating: 1mA @ 5VDC
- RPM (operating): 100 max.
- Output: 2-bit gray code
- Closed circuit resistance: 3Ω max.
- Switch type: contact push ON momentary SPST
- PC horizontal/rear facing, 24 detents, 25mm shaft length, insulated shaft, 24 pulses per 360° rotation



Part No.	Product No.	1	10	100
776386	PEC12-4225F-N0024	\$1.19	\$1.09	\$0.99

Pocket Trim Potentiometer Adjustment Tool

- Glass-filled body
- Stainless steel blade



Part No.	Description	Size	1	10	100
153315	Trimmer tool	5.2"L	\$1.95	\$1.75	\$1.49

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE
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Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

Potentiometers, Inductors & Knobs

4 LEVELS OF SAVINGS			
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE

Cermet Trimmer Potentiometers

*Web Code: TDF

Bourns® Series Equivalents

- Resistance tolerance: $\pm 10\%$
- Insulation resistance: 1000M Ω min. (500VDC)
- Absolute minimum resistance: 2 Ω
- Temperature range: -55°C to 125°C
- Manufacturer: yellow & blue shade: ValuePro
white shade: Bourns®

3266 Series

- 1/4 watt, 1/4" square, 12-turn top adjustment

Part No.	Series	Value (Ω)	1	10	100
254642	3266W	1k	\$1.95	\$1.75	\$1.49
254677	3266W	10k	1.95	1.75	1.49
254714	3266W	100k	1.95	1.75	1.49
254669	3266W	5k	1.95	1.75	1.49

3329 Series

- 1/2 watt, 1/4" round, single-turn top adjustment

Part No.	Series	Value (Ω)	1	10	100
854542	3329H	2k	\$1.95	\$1.75	\$1.49
854487	3329H	20k	1.95	1.75	1.49
854567	3329H	50k	1.95	1.75	1.49
2133667	3329H	500k	.99	.89	.75
95441	3329P	1k	1.29	1.15	.99
96719	3329P	10k	1.29	1.15	.99
95484	3329P	100k	1.29	1.15	.99

3362 Series

- 1/2 watt, 1/4" square, single-turn

Part No.	Series	Value (Ω)	1	10	100
770371	3362H	10k	.95	.85	.75
182810	3362P	500	.95	.75	.65
253982	3362P	1k	.95	.75	.65
182829	3362P	5k	.95	.75	.65
182837	3362P	10k	.95	.75	.65
254002	3362P	20k	.75	.65	.55
254028	3362P	50k	.95	.75	.65
254036	3362P	100k	.95	.75	.65
254044	3362P	500k	.95	.75	.65
254115	3362P	1M	.95	.75	.65
2133771	3362U-1-102	1k	.79	.69	.59
2133780	3362U-1-105	1M	.69	.59	.49
254175	3362W	1k	.75	.65	.55
254204	3362W	10k	.75	.65	.55
769080	3362X-1-502	1M	.69	.59	.49

*H, U & P: top adjustment; W: side adjustment

JAMECO ValuePro



Part No.	Product No.	Body	Pointer	H" x Dia."	Fig.	1	10	100
265009	JK-902B	Black	White	.60 x .95	1	.99	.89	.79
264998	JK-902A	Black	White	.69 x 1.31	1	.99	.89	.79
264990	JK-901D	Black/alum	White	.47 x .78	2	.95	.85	.75
264955	JK-901C	Black/alum	White	.61 x 1.06	2	.99	.89	.79
264946	JK-901B	Black/alum	White	.64 x 1.29	2	1.25	1.09	.99
264920	JK-901A	Black/alum	White	.79 x 1.77	2	1.75	1.49	1.25
2158143	RN-12POS	Black/alum	Numeric	.70 x 1.50	3	.89	.79	.69
264892	RN-113A	Black/alum	Numeric	.70 x 1.15	3	.99	.89	.79
264883	RN-112A	Black/alum	Numeric	.90 x 1.46	3	.99	.89	.79
264912	RN-114A	Black/alum	Numeric	.58 x 1.46	3	.99	.89	.79
102788	JK-903C	Black	White	.54 x 1.25	4	.75	.65	.55
104176	JK-902C	Black	White	.49 x .75	5	.99	.89	.79
202287	CP-Z1-M-S	Black/alum	White	.60 x .80	6	.89	.79	.69
136241	GKB-214	Black/alum	White	.52 x .54	7	1.25	1.09	.95
138393	41108-1	Black/alum	White	.56 x .85	7	1.35	1.19	.99
265077	JK-905C	Black/blue	White	.58 x .57	8	.99	.89	.79
265084	JK-905D	Black/green	White	.58 x .57	8	.99	.89	.79
265051	JK-905A	Black/red	White	.58 x .57	8	.99	.89	.79

* For use with 1/4" knurled shaft † 1/8" shaft diameter § Plastic flange

3299 Series

- 1/2 watt, 3/8" square, 25-turn top adjustment

Part No.	Series	Value (Ω)	1	10	100
241111	3299W	1k	\$1.75	\$1.49	\$1.35
241146	3299W	10k	1.75	1.49	1.35
241189	3299W	100k	1.75	1.49	1.35
241219	3299W	1M	1.75	1.49	1.35
238633	3299W	20k	1.75	1.49	1.35
241104	3299W	500	1.75	1.49	1.35
241139	3299W	5k	1.75	1.49	1.35
240602	3299W	10k	1.75	1.49	1.35

3006 Series

- 3/4 watt, 3/4" rectangular, 15-turn side adjustment

Part No.	Series	Value (Ω)	1	10	100
241242	3006P	200	\$.55	\$.49	\$.45
41937	3006P	500	1.55	1.49	1.25
241269	3006P	1k	1.55	1.49	1.25
241270	3006P	1k	1.55	1.49	1.25
41865	3006P	2k	1.55	1.49	1.25
241278	3006P	2k	1.49	1.29	1.09
41890	3006P	5k	1.55	1.49	1.25
241286	3006P	5k	1.55	1.49	1.25
41822	3006P	10k	1.55	1.49	1.25
241294	3006P	10k	1.55	1.49	1.25
41873	3006P	20k	1.55	1.49	1.25
241307	3006P	20k	1.55	1.49	1.25
241323	3006P	50k	1.55	1.49	1.25
41849	3006P	100k	1.55	1.49	1.25
241332	3006P	100k	1.55	1.49	1.25
63001	3006P	200k	1.55	1.49	1.25
41953	3006P	500k	1.55	1.49	1.25
241374	3006P	1M	1.55	1.49	1.25

High-Current Toroid Inductors

J. W. Miller 2100 Series Value Equivalents

- Low radiation • Low core loss
- Operating temp.: -55°C to +105°C

JAMECO ValuePro
*Web Code: KBY

Part No.	Cross Ref.	L(μ H) @ 1kHz	1	10	100
371581	2109-H	47	\$1.19	\$.95	\$.85
371856	2112-V	100	1.19	.95	.85
371872	2114-V	150	1.19	.95	.85

JAMECO
EXCLUSIVE

*Web Code: EBD

Part No.	Product No.	Body	Pointer	H" x Dia."	Fig.	1	10	100
265069	JK-905B	Black/yellow	White	.58 x .57	8	.99	.89	.79
265033	JK-904C	Black/blue	White	.47 x .78	9	.99	.89	.79
265018	JK-904A	Black/red	White	.47 x .78	9	.99	.89	.79
265025	JK-904B	Black/yellow	White	.47 x .78	9	.99	.89	.79
265041	JK-904D	Black/green	White	.47 x .78	9	.99	.89	.79
265122	JK-906	Black	White	.58 x .61	10	1.25	1.09	.99
265261	CR-MS-5-T18*	Grey	Grey	.68 x .51	11	.69	.59	.49
265228	CR-MS-1-T18*	Grey	Red	.68 x .51	11	.69	.59	.49
2123910	CR-MS-1C6-T18	Black	Red	.68 x .51	11	.59	.55	.49
265244	CR-MS-3-T18*	Gray	Blue	.68 x .51	11	.69	.59	.49
265236	CR-MS-2-T18*	Gray	Yellow	.68 x .51	11	.69	.59	.49
290125	42008-1	Aluminum	Black	.50 x .625	12	2.19	1.95	1.75
162481	K5-1/4S	Chrome	Silver	.50 x .56	13	.99	.89	.79
162499	K5-1/4B	Black	White	.50 x .56	14	1.49	1.25	1.09
138482	KN031	Aluminum	Black	.61 x .65	15	2.49	2.25	1.95
138502	KN032	Aluminum	Black	.87 x .70	15	2.65	2.39	2.15

* For use with 1/4" knurled shaft † 1/8" shaft diameter § Plastic flange

Due to extraordinary copper market price fluctuations, cable and wire prices are subject to change.

Hook-Up Wire & Telephone Cable

JAMECO ValuePro

UL1007 & UL1569 Rated Hook-Up Wire

- Applications: Interconnection circuits, wiring of computer and data processing equipment, applications and automotive
- 300V peak • PVC insulation • Stranded • Sold in 100' rolls
- Tin-plated copper • Temp. range: -40°C to 105°C • VW-1

Appliance Wiring Material (AWM) is UL recognized covering of insulated wire & cable intended for internal wiring of appliances & equipment.

AWG	Stranding	UL1007	UL1569	Black P/N	Red P/N	White P/N	Green P/N	Yellow P/N	Blue P/N	1	5	10
28	7 x 36	x	x	734611	734603	734610	734606	734605	734614	\$5.95	\$5.49	\$4.95
26	7 x 34	x	x	734511	734503	734510	734506	734505	734514	6.49	5.95	5.49
24	7 x 32	x	x	734411	734403	734410	734406	734405	734414	8.95	7.95	6.95
22	7 x 30	x		126085	126034	126077	310852	310878	310886	8.95	7.95	6.95
22	7 x 30	x	x	734311	734303	734310	734306	734305	734314	9.95	8.95	7.95
20	10 x 30	x		125840	125795	125831	310894	310915	310922	10.95	9.95	8.95
20	10 x 30	x	x	734211	734203	734210	734206	734205	734214	11.95	10.95	9.95
18	16 x 30	x		125787	125736	125752	310932	310949	310958	13.95	12.95	11.95
18	16 x 30	x	x	734111	734103	734110	734106	734105	734114	14.95	13.95	12.95
16	26 x 30	x	x	734011	734003	734010	734006	734005	734014	17.95	15.95	14.49

* Web Code: JAS



Stranded Wire Kit Assortment

- 10 different colors
- 16.4' of white, blue, brown, green, yellow, orange, grey and violet
- 32.8' of black and red
- Wire gauge: 24 AWG
- Max. voltage: 60V; Max. current: 4.3A



Part No.	Description	1	10
2130917	Stranded wire kit assortment	\$11.95	\$10.95

22 AWG Hook-Up Wire Bundle – 25'

This bundle contains 6 spools of our popular 22 gauge solid hook-up wire; each spool a different color.



- Black, light blue, green, red, white and yellow
- Great for engineers, technicians and labs
- Annealed solid tinned copper conductor
- 25' spools • Passes UL VW-1 flame test

Part No.	Mfr. Part No.	1	5
2153705	HUW25PK	\$14.95	\$13.95

JAMECO ValuePro

Solid Hook-Up Wire – 22 AWG

- Temperature range: -55°C to +105°C
- Passes UL VW-1 flame test • MIL-W-16878/1, type B PVC
- For use with breadboards such as the JE20 series, pg 152

Length	Black P/N	Blue P/N	Green P/N	Red P/N	White P/N	Yellow P/N	1	5	10
25'	2152876	2152884	2152892	2152905	2153553	2152921	\$3.49	\$3.25	\$2.95
100'	36792	36768	36822	36856	36881	36920	7.95	6.95	5.95
1000'	36805	36776	36840	36864	36899	36928	59.95	54.95	49.95

* Web Code: PAF



JAMECO ValuePro

Bus Bar Hook-Up Wire

Tinned Copper

- Solid soft drawn annealed bare copper • Single conductor
- Approvals: ASTM-B-3, QQ-W-343-Type-S
- Sold in 100' reels

Part No.	Gauge	O.D. (in.)	Amps	1	5	25
2098478	24 AWG	0.020	5	\$7.95	\$7.25	\$6.49
2098486	22 AWG	0.025	7	8.95	7.95	7.25
2098494	20 AWG	0.032	8.5	10.95	9.95	8.95
2098507	18 AWG	0.040	16	15.95	14.49	12.95
2098515	16 AWG	0.061	19	18.95	16.95	15.49

* Web Code: QCS



1/4 Lb. Solid Bare Nickel Chromium Resistance Wire

This wire is made for applications requiring extremely high temperatures and resistance such as electrical heating and industrial rheostats. The heat rating allows the wire to withstand severe overloads and short circuits.

- 60% nickel, 16% chromium, 24% iron
- Temperature: to 3056°F (1680°C)
- Excellent resistance characteristics

* Web Code: BNC



Part No.	Gauge	Nom. O.D	Length (ft.)	Ω/Ft. @ 68°F	1	5	25
2119419	24 AWG	.0201"	205	1.671	\$14.95	\$13.95	\$12.95

Kynar™ Wire-Wrap Wire – 30 AWG

- Polyvinylidene fluoride insulation • Used for prototyping
- Silver plated copper (solid conductor) • UL 1423
- Temperature: -40°C to +125°C • Passes UL VW-1 flame test
- Wire wrap tools, pg 143 • See pg 15 for sockets

100 Foot Reel				Pricing			
Part No.	Color	1	5	Part No.	Color	1	5
22542	Blue	\$9.95	\$8.95	22551	Blue	\$69.95	\$64.95
22577	Black	9.95	8.95	22585	Black	69.95	64.95
22631	Red	9.95	8.95	22649	Red	69.95	64.95
22665	White	9.95	8.95	22673	White	69.95	64.95
22606	Green	9.95	8.95	22614	Green	69.95	64.95
22700	Yellow	9.95	8.95	22702	Yellow	69.95	64.95

* Web Code: NAC



JAMECO ValuePro

Modular Telephone Cable – 28 AWG

- Color coded conductors
- Flat modular cable
- 7 x 43 stranded
- PVC jacket • Gray

* Web Code: LCG

JAMECO EXCLUSIVE



Part No.	Cross Ref. No.	Conductors	Length (ft.)	1	5	10
644666	300-840SL-100	4	100	\$7.49	\$6.95	\$6.49
644674	300-840SL-1000	4	1000	54.95	49.95	44.95
644691	300-860SL-100	6	100	10.95	9.95	8.95
644703	300-860SL-1000	6	1000	74.95	69.95	66.95

JAMECO ValuePro

Twisted Paired Cable – 24 AWG

- PVC insulation
- Use for hook-up wire
- Stranded tinned wire (7 x 32)

- Reduced EMI
- 80°C
- 300 V

* Web Code: EBC



100 Foot Reel				Pricing			
Part No.	Color	1	5	Part No.	Color	1	5
173164	Black/white	\$9.95	\$9.49	173172	Black/white	\$79.95	\$74.95
105912	Green/white	9.95	9.49	105807	Green/white	79.95	74.95
173148	Red/white	9.95	9.49	173156	Red/white	79.95	74.95

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

4 LEVELS OF SAVINGS		
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN
		DOLLAR SALE

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

Coaxial & Multi-Conductor Cables

4 LEVELS OF SAVINGS			
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE



Coaxial Cable

JAMECO ValuePro

* Web Code: CLC

Common Coax Cables: RG-#/U (RG = Radio Grade; U = Universal)
RG-8: Amateur radio; thicker than RG-6, 50Ω
RG-59: Baseband video in CCTV, low shielding, 75Ω

RG-6: CATV/SAT, 18 AWG, 75Ω
RG-58: Radio communication, amateur radio, 50Ω
RG-174: WiFi pigtails, more flexible but higher loss than RG-58, 50Ω

- Color: black
- PVC jacket

Part No.	Mfr.	Product No.	Fig.	Length	AWG	Type	Nom. Imp (Ω)	Insul.	Bare Copper	Braid Shield	Pricing	
											1	5
2124146	JVP	4449-100	1	100' Reel	19 Stranded	RG58A/U	50	A	0.036"	95	\$34.95	\$32.95
644754	JVP	RG58/U-100	2	100' Reel	20 Solid	RG58/U	50	A	0.015"	38	19.95	18.95
234158	BDN	543945 010100	3	100' Reel	20 Solid	RG59/U	75	C	0.145"	95	15.95	14.95
734161	BDN	543945 010500	3	500' Reel	20 Solid	RG59/U	75	C	0.145"	95	69.95	64.95
234086	BDN	1505A 010100	4	100' Reel	20 Solid	RG59/U	75	B	0.032"	98 ¹	24.95	22.95
232961	BDN	8281 010100	5	100' Reel	20 Solid	RG59/U	75	A	0.031"	98	59.95	54.95
644797	JVP	RG59/U-100	2	100' Reel	22 Solid	RG59/U	75	A	0.005"	31	10.95	9.95
644800	JVP	RG59/U-1000	2	1000' Reel	22 Solid	RG59/U	75	A	0.005"	31	74.95	69.95
232653	BDN	9259 010100	4	100' Reel	22 Stranded	RG59/U	75	A	0.030"	95	29.95	27.95
644818	JVP	RG174/U-100	1	100' Reel	26 Stranded	RG174/U	50	A	0.020"	98	21.95	19.95
644826	JVP	RG174/U-1000	1	1000' Reel	26 Stranded	RG174/U	50	A	0.020"	98	179.95	169.95



Fig. 1

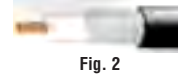


Fig. 2

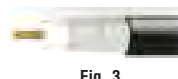


Fig. 3

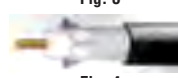


Fig. 4



Fig. 5

A = Polyethylene
 B = Gas Injected Foam HDPE
 C = Polyolefin
 1 = With DuoFoil® Shield



Multi-Conductor Cable

JAMECO ValuePro

* Web Code: MCC

Part No.	Mfr.	Product No.	Fig.	AWG (stranded)	# of Cond.	Length	Jacket	Wire Color	Insul.	Nom. O.D.	Pricing	
											1	5
732996	BDN	8442 060100	1	22 ¹	2	100' Reel	Chrome/PVC	Black, Red	A	0.170"	\$34.95	\$31.95
733008	BDN	8442 060500	1	22 ¹	2	500' Reel	Chrome/PVC	Black, Red	A	0.170"	139.95	129.95
734054	BDN	8442 060U1000	1	22 ¹	2	1000' Unreel	Chrome/PVC	Black, Red	A	0.170"	259.95	249.95
733024	BDN	8443 060100	2	22 ¹	3	100' Reel	Chrome/PVC	Black, Red, Green	A	0.172"	44.95	39.95
733032	BDN	8443 060500	2	22 ¹	3	500' Reel	Chrome/PVC	Black, Red, Green	A	0.172"	199.95	189.95
733059	BDN	8444 060100	3	22 ¹	4	100' Reel	Chrome/PVC	Black, Red, White, Green	A	0.185"	53.95	49.95
733067	BDN	8444 060500	3	22 ¹	4	500' Reel	Chrome/PVC	Black, Red, White, Green	A	0.185"	249.95	229.95
2119494	JVP	5411-100	4	22 ¹	5	100' Reel	Gray/PVC	Blk, Red, Wh, Grn, Brn	A	0.190"	44.95	42.95
733083	BDN	8445 060100	4	22 ¹	5	100' Reel	Chrome/PVC	Blk, Red, Wh, Grn, Brn	A	0.194"	79.95	74.95
733104	BDN	8445 0601000	4	22 ¹	5	1000' Reel	Chrome/PVC	Blk, Red, Wh, Grn, Brn	A	0.194"	639.95	599.95
2119558	JVP	5578-100	5	18/20 drain wire ³	3	100' Reel	Chrome/PVC	Black, Red, White	B	0.230"	49.95	44.95
733201	BDN	8770 060100	5	18/20 drain wire ²	3	100' Reel	Chrome/PVC	Black, Red, Clear	B	0.246"	84.95	79.95
2119531	JVP	5576-100	5	22/22 drain wire ²	3	100' Reel	Gray/PVC	Black, Red, White	B	0.190"	29.95	28.49
644383	JVP	SC4-25	6	24 drain wire ³	4	25' Reel	Gray/PVC	Multi-Colored	A	0.200"	6.95	6.49
644391	JVP	SC4-100	6	24 drain wire ³	4	100' Reel	Gray/PVC	Multi-Colored	A	0.200"	29.95	26.95
644404	JVP	SC4-1000	6	24 drain wire ³	4	1000' Reel	Gray/PVC	Multi-Colored	A	0.200"	219.95	199.95
644412	JVP	SC-925	6	24 drain wire ³	9	25' Unreel	Gray/PVC	Multi-Colored	A	0.230"	15.95	14.35
644421	JVP	SC9-100	6	24 drain wire ³	9	100' Reel	Gray/PVC	Multi-Colored	A	0.230"	44.95	39.95
644439	JVP	SC9-1000	6	24 drain wire ³	9	1000' Reel	Gray/PVC	Multi-Colored	A	0.230"	349.95	329.95
644447	JVP	SC15-25	6	24 drain wire ³	15	25' Unreel	Gray/PVC	Multi-Colored	A	0.280"	24.95	22.95
644455	JVP	SC15-100	6	24 drain wire ³	15	100' Reel	Gray/PVC	Multi-Colored	A	0.280"	53.95	48.95
644463	JVP	SC15-1000	6	24 drain wire ³	15	1000' Reel	Gray/PVC	Multi-Colored	A	0.280"	399.95	379.95
644471	JVP	SC25-25	6	24 drain wire ³	25	25' Unreel	Gray/PVC	Multi-Colored	A	0.370"	29.95	26.95
644480	JVP	SC25-100	6	24 drain wire ³	25	100' Reel	Gray/PVC	Multi-Colored	A	0.370"	94.95	89.95
2006377	JVP	SC25-500	6	24 drain wire ³	25	500' Unreel	Gray/PVC	Multi-Colored	A	0.370"	429.95	399.95



Fig. 1



Fig. 2

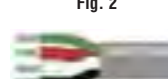


Fig. 3

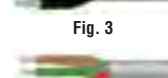


Fig. 4

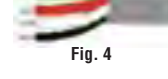


Fig. 5



Fig. 6

1 = Unshielded
 2 = Overall Beldfoil Shield
 3 = 100 Aluminum Mylar Shield
 A = PVC B = Polyethylene
 Blk = Black Brn = Brown
 Grn = Green Wh = White



Conductive Sewing Thread

Make conductive paths in garments and textiles and commonly used with the Arduino Lilypad. (P/N 2144471, pg 172)

- 1 oz hobby cone (approx. 225')
- Linear resistance: 15Ω per foot
- Thread size: 92 • Silver plated
- Nominal diameter: 0.2mm
- Nominal denier: 828 • 234/34 (4 Ply)



Part No.	Mfr. Part No.	Description	1	5
2144489	2601510235340Z	Conductive sewing thread	\$29.95	\$28.49

* BDN = Belden | JVP = Jameco ValuePro

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

BNC CABLE ASSEMBLIES



- Nickel-plated BNC male connectors at both ends

Part No.	Mfr. Part No.	1	10	50
1945057	6' w/ female BNC to male RCA adapter	\$2.95	\$2.75	\$2.49
262730	25', 75Ω, RG-59U, black	4.95	4.49	3.95
262748	50', 75Ω, RG-59U, black	6.95	6.29	5.59

BNC Connectors and Adapters, see pages 67-69



JAMECO ValuePro

Paired Cable

★ Web Code: HCS

Fig. 1

Part No.	Product No.	Fig.	AWG/Drain	# of Pairs	Length	Jacket	Wire Color	Insul.	Pricing	
									1	5
233146	8719 060100	1	16 / 18	1	100' Reel	Chrome/PVC	Black/Clear	B	\$119.95	\$109.95
2119515	5574-100R *	1	18 / 24	1	100' Reel	Chrome/PVC	Black/White	B	41.95	37.95
733112	8451 010100R	2	22 / 22	1	100' Reel	Black/PVC	Black/Red	A	26.95	24.95
734063	8451 010U500R	2	22 / 22	1	500' Unreel	Black/PVC	Black/Red	A	129.95	115.95
734180	8723 060100R	3	22 / 24	2	100' Reel	Chrome/PVC	Black/Red, Green/White	A	49.95	46.95
734184	8723 060U500R	3	22 / 24	2	500' Unreel	Chrome/PVC	Black/Red, Green/White	A	229.95	209.95
734179	1419A 060100R	4	24 / 24	2	100' Reel	Chrome/PVC	Wh/Blue Str, Blue/Wh Str, Wh/Org Str, Org/Wh Str	C	44.95	42.95
734085	1419A 0601000R	4	24 / 24	2	1000' Reel	Chrome/PVC	Wh/Blue Str, Blue/Wh Str, Wh/Org Str, Org/Wh Str	C	399.95	379.95

* Manufacturer: ValuePro

Fig. 2

Fig. 3

Fig. 4

A = Polypropylene
B = Polyethylene
C = Datalene
Wh = White
Org = Orange
Str = Stripe

JAMECO ValuePro

Flat Ribbon Cable

JAMECO EXCLUSIVE

Gray Cable – 28AWG (7 x 36)

★ Web Code: WBX

- Insulation: polyvinyl chloride (PVC)
- Single edge red stripe for pin 1 orientation
- Center spacing: 0.05"

Part No.	Cross Ref. No.	Conductors	Length	1	5	25
643794	171-10-10R	10	10'	\$3.49	\$3.25	\$2.95
643807	171-10-25R	10	25'	6.49	5.95	5.49
643815	171-10-100R	10	100' reel	19.95	18.95	17.95
643831	171-16-10R	16	10'	4.75	4.29	3.79
643840	171-16-25R	16	25'	9.95	8.95	7.95
643858	171-16-100R	16	100' reel	32.95	30.95	28.95
643874	171-20-10R	20	10'	5.49	4.95	4.49
643891	171-20-100R	20	100' reel	44.95	39.95	35.95
643911	171-25-10R	25	10'	5.95	5.39	4.79
643938	171-25-100R	25	100' reel	49.95	44.95	39.95
643971	171-26-25R	26	25'	14.95	13.49	11.95
643989	171-26-100R	26	100' reel	49.95	47.95	44.95
644033	171-34-10R	34	10'	7.95	6.95	6.25
644041	171-34-25	34	25'	14.95	13.49	11.95
644050	171-34-100R	34	100' reel	59.95	53.95	48.95
644076	171-37-10R	37	10'	7.95	6.95	5.95
644092	171-37-100R	37	100' reel	69.95	65.95	62.95
644130	171-40-100R	40	100' reel	79.95	71.95	65.95
644164	171-50-25R	50	25'	29.95	26.95	23.95
644172	171-50-100R	50	100' reel	89.95	80.95	77.95
644199	171-60-10R	60	10'	9.95	8.95	7.95
644201	171-60-25R	60	25'	19.95	17.95	15.95
644210	171-60-100R	60	100' reel	79.95	71.95	67.95

Additional lengths available online

Multicolor Cable – 28AWG (7 x 36)

- Standard 10-color repeat sequence
- Voltage rating: 300V
- Center spacing: 0.05"
- Stranded copper wire
- Temperature rating: -20°C to +80°C

★ Web Code: WCF

Part No.	Cross Ref. No.	Conductors	Length	1	5	25
639672	28RC10-10R	10	10'	\$4.49	\$3.95	\$3.75
643508	28RC10-25R	10	25'	10.95	9.95	8.95
643516	28RC10-100R	10	100' reel	35.95	33.95	31.95
643532	28RC16-10R	16	10'	6.49	5.95	5.49
643541	28RC16-25R	16	25'	15.95	14.95	13.95
643559	28RC16-100R	16	100' reel	56.95	52.95	49.95
643575	28RC20-10R	20	10'	8.95	8.49	7.95
643583	28RC20-25R	20	25'	19.95	17.95	15.95
643591	28RC20-100R	20	100' reel	69.95	64.95	59.95
643621	28RC25-25R	25	25'	24.95	22.95	20.95
643639	28RC25-100R	25	100' reel	79.95	74.95	72.95
643655	28RC34-10R	34	10'	14.95	13.49	11.95
643698	28RC40-10R	40	10'	19.95	17.95	15.95
643701	28RC40-25R	40	25'	39.95	35.95	32.95
643719	28RC40-100R	40	100' reel	139.95	132.95	124.95
643735	28RC50-10R	50	10'	19.95	17.95	15.95
643743	28RC50-25R	50	25'	44.95	39.95	36.95
643751	28RC50-100R	50	100' reel	149.95	139.95	129.95

JAMECO ValuePro

10-Conductor Flat Ribbon Cable – Gray

100" (2.54mm) — 24AWG

- Capacitance: 31pF/m
- Insulation resis.: 100MΩ
- Temperature rating: 105°C
- Insulation material: 7mm polyvinyl chloride (PVC) gray
- 10' roll

★ Web Code: WBX

Part No.	Mfr.	Cross Ref.	Conductor	Length	1	5	25
363813	ValuePro	H24G-10-10	10	10'	\$9.95	\$8.95	\$7.95



Speaker Cable

★ Web Code: JCS

Part No.	Product No.	Length	AWG	Color	1	5
2140293	5145-100R *	100' Reel	14 Stranded	Clear	\$44.95	\$42.95
232629	9718 368100	100' Reel	12 Stranded	Clear	54.95	49.95

* Manufacturer: ValuePro

IDC Ribbon Cable Connectors on page 65

PCB MOUNT 2.5MM MONO PHONE JACK

- Withstand voltage: 250VDC for 1 minute
- Insulation resistance: 50MΩ @ 250VDC
- Contact resistance: 20mΩ max.
- Silver plated brass contacts
- Solder lugs, through hole

Part No.	Product No.	1	10	100
2150889	161-2504	\$1.49	\$1.25	\$1.09

2-Conductor Power/Speaker Cable – 24 AWG

- Black wire with white polarity stripe
- Temperature rating: 20°C to 60°C
- Stranded copper wire (7 x 32)
- Operating voltage: 300V

JAMECO ValuePro

JAMECO EXCLUSIVE

★ Web Code: VAL

Part No.	Product No.	Length	1	5	10
100280	CAR45B-100R	100'	\$7.95	\$7.49	\$6.95
100299	CAR45B-1KR	1000'	59.95	54.95	49.95

FIBER OPTIC COUPLING RECEPTACLE

- Supports singlemode or multimode
- Flanged type panel mount retention
- Fiber type: SM micron
- Duplex type connector with protective cover

Part No.	Product No.	1	10	100
2144817	0-05022776-7	\$3.95	\$3.49	\$2.95

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Network Cables, Modular Cables & Plugs

4 LEVELS OF SAVINGS			
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE

JAMECO ValuePro

Category 5e Network Cable

* Web Code: KCG



Blue

Gray

24 AWG UTP Category 5e Enhanced - 350MHz (Non-Plenum)

Part No.	Product No.	Length	Color	Description	1	5
645722	10X5-704TH-100VP	100'	Blue	Solid	\$15.95	\$14.49
645731	10X5-704TH-1000VP	1000'	Blue	Solid	129.95	119.95

24 AWG UTP Category 5e Enhanced - 350MHz (Non-Plenum) (Cont.)

Part No.	Product No.	Length	Color	Description	1	5
644560	10X5-701TH-1000	1000'	Gray	Solid	\$119.95	\$109.95
644615	10X5-804TH-100	100'	Blue	Stranded	16.95	15.95
644623	10X5-804TH-1000	1000'	Blue	Stranded	129.95	119.95
644586	10X5-801TH-100	100'	Gray	Stranded	15.95	14.49
644594	10X5-801TH-1000	1000'	Gray	Stranded	139.95	129.95

JAMECO ValuePro

Network Cable

* Web Code: CAE

Category 5e

- 8P8C • 4 pair • Unshielded Twisted Pair (UTP) • 350 MHz • "Snagless" boot
- 24 AWG (7 x 43) stranded • T568B color coded for easy wire tracing

Part No.	Length	Color	1	10	100
168292	3 ft.	Gray	\$1.55	\$1.39	\$1.25
168305	7 ft.	Gray	2.49	2.25	1.95
168313	15 ft.	Gray	3.95	3.55	2.95
201777	3 ft.	Red	1.55	1.39	1.25
201785	7 ft.	Red	2.49	2.25	1.95
201806	25 ft.	Red	6.49	5.95	5.49
201697	3 ft.	Black	1.55	1.39	1.25
201700	7 ft.	Black	2.49	2.25	1.95
201718	15 ft.	Black	3.95	3.55	2.95
201726	25 ft.	Black	6.49	5.95	5.49
201734	3 ft.	Blue	1.55	1.39	1.25

Part No.	Length	Color	1	10	100
1945381	5 ft.	Blue	\$1.95	\$1.75	\$1.65
2138708	7 ft.	Blue	1.95	1.75	1.49
201742	7 ft.	Blue	2.49	2.25	1.95
1945401	10 ft.	Blue	3.09	2.79	2.49
201751	15 ft.	Blue	3.95	3.55	2.95
201769	25 ft.	Blue	6.49	5.95	5.49
201814	3 ft.	Yellow	1.55	1.39	1.25
1945372	5 ft.	Yellow	.99	.89	.79
201822	7 ft.	Yellow	2.49	2.25	1.95
1945399	10 ft.	Yellow	.99	.89	.75
201849	25 ft.	Yellow	2.95	2.75	2.49

* Without "Snagless" boot

* Web Code: BBK

Category 6

- Gold over nickel contacts • With RJ45 plugs and molded strain reliefs
- Assembled using ETL verified 24AWG stranded cable
- Exceeds performance levels as specified in TIA/EIA 568B.2-1 category 6

Part No.	Length	Color	1	10	100
219707	3 ft.	Gray	\$2.25	\$1.95	\$1.75
219731	25 ft.	Gray	6.95	6.49	5.95
219740	50 ft.	Gray	10.95	9.95	9.49
219854	3 ft.	Blue	2.25	1.95	1.75

Part No.	Length	Color	1	10	100
219871	14 ft.	Blue	\$6.25	\$5.49	\$4.95
219889	25 ft.	Blue	7.95	7.49	6.95
219918	7 ft.	Red	3.25	2.95	2.49
219791	50 ft.	Black	10.95	9.95	9.49

JAMECO ValuePro

Modular Plugs

* Web Code: FBB

P = No. of positions
C = No. of contacts



- Unshield except P/N 116611 & 116602

* Order in multiples of 10

Part No.	Mfr.	Description	Size (L" x W" x H")	UL	1	10	100	1000
103491	ValuePro	4P4C (RJ14) for flat or oval handset wire	.49 x .30 x .26	None	*	\$1.13	\$1.12	\$0.09
79290	ValuePro	6P4C (RJ11) for round stranded wire	.49 x .38 x .26	UL94V-0	*	.15	.13	.10
79273	ValuePro	6P6C (RJ11) for flat stranded wire	.49 x .38 x .26	None	.29	.25	.22	.19
79281	ValuePro	8P8C (RJ45) for flat stranded wire	.85 x .46 x .31	None	.45	.39	.35	.29
119343	ValuePro	8P8C (RJ45) for round solid wire	.85 x .46 x .31	None	.45	.39	.35	.29
524411	AMP	8P8C (RJ45) for round solid wire	.85 x .46 x .31	UL94V-2	.79	.75	.69	.59
524525	AMP	8P8C (RJ45) for round stranded wire	.84 x .46 x .31	UL94V-2	.75	.69	.65	.59
116602	ValuePro	8P8C (RJ45) for round stranded wire	.85 x .46 x .31	UL94V-2	.95	.89	.79	.69
116611	ValuePro	8P8C (RJ45) for round stranded wire	.87 x .46 x .33	UL94V-0	1.09	.99	.89	.79
180646	ValuePro	10P10C (RJ50) for round stranded wire	.85 x .46 x .31	None	.49	.45	.39	.35

* Shielded

Cat 5e Network Crossover Cable

* Web Code: CAE

- Connect 2 PCs without a hub
- 24AWG (7 x 43) stranded
- Strain relief RJ45 connectors
- 4-pair • 8P8C • UTP

Category 5e - 350MHz

Part No.	Length	Color	1	10	100
302041	7 ft.	Gray	\$3.75	\$3.35	\$2.95
169261	10 ft.	Gray	5.95	5.35	4.79
203781	12 ft.	Black	3.95	3.59	3.29

Modular Telephone/Printer Sharing Cable (Gray)

- RJ12 - 4P4C for telephone
- RJ11 - 6P4C for telephone or network
- RJ11 - 6P6C for telephone or printer sharing
- RJ45 - 8P8C for telephone or modem-dial-up use

Style 1 - Reverse wiring for telephone systems

Style 2 - Straight wiring for networking/printer sharing

Part No.	Conn. Style	Type	Length	Pricing		
				1	10	100
2125851	1	RJ12-4P4C	6ft.	\$0.99	\$0.75	\$0.59
196227	1	RJ11-6P4C	7ft.	1.75	1.59	1.39
115554	2	RJ11-6P4C	7ft.	1.75	1.59	1.39
115588	1	RJ11-6P6C	7ft.	1.49	1.35	1.19
115617	2	RJ11-6P6C	7ft.	1.95	1.75	1.59
115677	2	RJ45-8P8C	7ft.	1.95	1.75	1.59
115545	1	RJ11-6P4C	25ft.	2.95	2.65	2.35
201232	2	RJ11-6P4C†	35ft.	.99	.85	.69

† Beige

MODULAR/NETWORK CABLE TESTER

- Test pin configuration of 10Base-T, 10Base-2, RJ45/RJ11, 258A, TIA-568A/568B and token ring cable, auto manual scan

Part No.	Mfr.	Part No.	Price
145710	TCT-141		\$59.95

ARDUINO ETHERNET SHIELD (REV.3)

- Add internet connectivity to your Arduino Project
- Built-in microSD slot • W5100 Ethernet controller
- Power over ethernet ready w/ separate PoE module (P/N 2152454)

P/N 2152374 \$44.95



ARDUINO ETHERNET + PoE MODULE

- MCU board based on ATmega328 w/ built-in Wiznet Ethernet interface
- Programmed via USB Serial adapter, recommend P/N 2117341
- Power over Ethernet adapter included, PoE ready Mag Jack

P/N 2152331 \$84.95



RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Modular Jacks, Adapters & Accessories

Modular Jacks

★ Web Code: NEL



* Order in multiples of 10

Part No.	*Mfr.	Description	Panel Mount	Size (L" x W" x H")	1	10	100	1000
115128	JVP	4P4C (RJ14) handset side entry, center latch	No	.51 x .40 x .57	.45	.39	.35	.29
2121560	JVP	4P4C (RJ14) side entry, center latch, right angle PCB	No	.72 x .57 x .41	.29	.25	.19	.15
105945	JVP	6P4C (RJ11) side entry, center latch, top flange	Yes	.48 x .48 x .71	.29	.25	.22	.19
2077781	JVP	6P4C (RJ11) side entry, center latch	No	.72 x .51 x .45	.39	.35	.29	.25
151766	JVP	6P4C (RJ11) side entry, center latch	Yes	.80 x .52 x .59	.65	.59	.55	.49
524277	AMP	6P6C (RJ11) top entry, center latch, flangeless	No	.53 x .64 x .63	.89	.79	.69	.59
115837	JVP	6P6C (RJ11) side entry, center latch	Yes	.51 x .48 x .57	.85	.75	.65	.59
124039	JVP	6P6C (RJ11) top entry, 6" leads, panel mount	Yes	.54 x .59 x .72	1.25	1.09	.99	.89
852449	AMP	6P6C (RJ25) side entry, center latch, SMT, low profile	Yes	.72 x .63 x .50	.49	.45	.39	.29
2144770	AMP	8P8C (RJ45) side entry, center latch, shielded, 4 gang	No	2.33 x .84 x .55	2.95	2.75	2.49	2.25
889129	AMP	6P6C (RJ25) side entry, center latch SMT	No	.55 x .53 x .50	.69	.59	.49	.45
115844	JVP	8P8C (RJ45) side entry, center latch, shielded	No	.56 x .66 x .58	.89	.85	.79	.75
2150395	JVP	8P8C (RJ45) side entry, center latch	No	.51 x .59 x .57	.89	.85	.79	.75
2078240	JVP	8P8C (RJ45) side entry, center latch	Yes	.81 x .60 x .59	.49	.45	.39	.35
203449	JVP	8P8C (RJ45) side entry, center latch, shielded	No	.84 x .63 x .53	.89	.79	.75	.65
2078258	JVP	8P8C (RJ45) side entry, center latch, low profile	No	.71 x .60 x .46	.29	.25	.22	.19
524461	AMP	8P8C (RJ45) side entry, front latch, low profile	No	.72 x .61 x .50	.79	.75	.69	.65
1537416	KYC	8P8C (RJ45) side entry, front latch, low profile	Yes	.72 x .60 x .50	.59	.49	.39	.29
524488	AMP	8P8C (RJ45) top entry, top latch	No	.66 x .62 x .63	.65	.59	.55	.49
2144702	AMP	8P8C (RJ45) side entry, top latch w/ orange/yellow LED	No	.59 x .64 x .45	.89	.79	.69	.59
2077790	JVP	8P8C (RJ45) top entry, bottom latch	Yes	.64 x .61 x .62	.45	.39	.35	.29

RS-232-to-RJ11/RJ45 Modular Jack Adapters

Simplify networking applications when changing your RS-232 port to an RJ11 or RJ45 modular jack. Comes with all necessary hardware and wiring.

★ Web Code: RDR



Part No.	*Mfr.	Description	1	10	100
66181	JVP	DB9 M to RJ11 (6P6C)	\$2.49	\$2.25	\$1.95
66191	JVP	DB9 M to RJ45 (8P8C)	2.75	2.49	2.25
614977	GCE	DB9 M to RJ45 (8P8C)	2.75	2.49	2.25
614985	GCE	DB9 F to RJ11 (4P4C)	1.95	1.75	1.59
114738	JVP	DB9 F to RJ11 (6P4C)	2.35	2.09	1.89
66203	JVP	DB9 F to RJ11 (6P6C)	2.75	2.49	2.25

Part No.	*Mfr.	Description	1	10	100
66212	JVP	DB9 F to RJ45 (8P8C)	\$2.75	\$2.49	\$2.25
615005	GCE	DB9 F to RJ45 (8P8C)	2.95	2.65	2.39
2099681	JVP	DB15 F to RJ-11 (6P6C)	1.49	1.25	1.09
66229	JVP	DB25 M to RJ11 (6P6C)	2.75	2.49	2.25
66237	JVP	DB25 M to RJ45 (8P8C)	1.85	1.69	1.49
66254	JVP	DB25 F to RJ45 (8P8C)	1.85	1.69	1.49

Modular Jack Boxes

Fig. 1
W: 2.0"
H: 2.2"
D: 0.9"



Fig. 2
W: 1.5"
H: 2.4"
D: 1.1"



Fig. 3
W: 2.4"
H: 2.4"
D: 1.1"



★ Web Code: UAM

Part No.	Description	Fig.	Pricing		
			1	10	100
103464	6P4C adhesive jack RJ11 (beige)	1	\$.79	\$.69	\$.59
71984	6P6C adhesive jack RJ11 (beige)	1	1.19	1.05	.89
71651	8P8C adhesive jack RJ45 (beige)	1	1.49	1.25	1.09
213032	8P8C adhesive jack RJ45 (single, white) (CAT 5e)	2	2.95	2.75	2.49
213049	8P8C adhesive jack RJ45 (dual, white) (CAT 5e)	3	3.95	3.75	3.49

Keystone-Type RJ11 & RJ45 Jacks

Modular Punchdown Type

- CAT 5e classification
- Punchdown type wiring connections with color coding
- Size: 0.57"W x 1.23"D x 0.63"H

★ Web Code: MBV

Part No.	Description	Color	1	10	100
213517	6P6C (RJ11)	White	\$1.95	\$1.75	\$1.49
212951	8P8C (RJ45)	Blue	2.25	1.95	1.75
212944	8P8C (RJ45)	White	2.95	2.65	2.39

CATS TRANSMISSION SYSTEM

Send full motion video signal & audio over CAT5.

- Color: 1000' max. • B&W: 2000' max.
- Passive system, no power required
- 2 way system • RCA audio (L & R)
- BNC video connector, 1Vp-p, 75Ω

P/N 220881 \$17.95

Modular Couplers

★ Web Code: XAH

JAMECO ValuePro

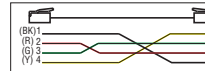


Fig. 1
W: 1.5"
H: 0.9"
D: 0.7"



Fig. 2
W: 1.7"
H: 1.0"
D: 0.9"

Style 1 Reverse wiring for telephone systems



Style 2 Straight wiring for networking/printer sharing



Part No.	Description	Fig.	Pricing		
			1	10	100
71757	6P6C modular coupler, Style 1, RJ11	1	\$1.09	.99	.89
135087	6P6C modular coupler, Style 2, RJ11	1	1.09	.99	.89
135079	8P8C modular coupler, Style 2, RJ45	1	1.39	1.25	1.15
153023	8P8C modular coupler, Style 2 (for CAT 5) RJ45	2	7.95	7.15	6.45

AMP 8P8C In-Line Coupler

- Panel mount thickness: 0.062" nominal
- Housing: black polyphenylene oxide
- Terminals: 0.018" diameter phosphor bronze with 50µ" gold over nickel
- Snap into 0.595" x 0.765" rectangular wall plate cut-outs



Part No.	Mfr.	Part No.	1	10	100
524445	555052-1		\$4.95	\$4.49	\$4.25

JAMECO ValuePro

RJ45-Plug Color Caps (Boots)

- Round strain relief
- Order in multiples of 10

★ Web Code: JBG

204410

Part No.	Color	10	100	500	1000
204410	Black	\$.19	\$.17	\$.15	\$.12
204353	Gray	.19	.17	.15	.12
204362	Blue	.19	.17	.15	.12

EZ-RJ45 Category 5 & 6 Modular Plugs

Strip the wire and insert into the plug & pull out the wire on the other side. This ensures correct conductor order and uniformity in crimping. No wire bar and no wasted cable.



★ Web Code: FBB

Part No.	Mfr. Part No.	Description	1	10	100
158115	300568EZ	8P8C, CAT5	\$1.75	\$1.59	\$1.45
2099278	300668EZ	8P8C, CAT6	1.85	1.65	1.49

Professional Modular Connector Crimping Tool

- 6mm and 12mm stripping guide
- Spring return action
- Crimp modular plugs without changing dies
- Crimps 10P10C, RJ45: 8P8C, RJ11 and RJ12: 6P6C, and 4P4C
- Insulated handles • Size: 8.2"L • Weight: 1.2 lbs.



Part No.	Mfr.	Part No.	1	10	25
181148	HT200		\$54.95	\$49.49	\$44.55

Hand Tools see pages 140-144

* AMP = AMP | GCE = GC Electronics | JVP = Jameco ValuePro | KYC = Kycon

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

3" to 13" Nylon Cable Ties

- Standard** 70561 ***Web Code: QAV**
- Cable ties made from UL approved Nylon 66
 - Temp. range: -40°C to +85°C
 - Flammability rating: UL 94V-2
 - Color: natural

Part No.	Size (L" x W")	Tensile Strength	100	1000
70561	3.0 x 0.10	18 lbs.	\$.03	\$.02
126544	4.0 x 0.10	18 lbs.	.04	.03
182677	4.75 x 0.13	18 lbs.	.05	.04
139150	8.0 x 0.10	18 lbs.	.04	.03
182669	8.0 x 0.13	18 lbs.	.05	.04
182685	8.0 x 0.18	18 lbs.	.05	.04
70907	6.0 x 0.10	40 lbs.	.08	.06
190756	10.0 x 0.14	40 lbs.	.08	.06
190772	11.0 x 0.19	40 lbs.	.09	.07
190764	13.0 x 0.14	40 lbs.	.10	.08

Weather Resistant (black)

- 104142 ***Web Code: FBE**
- Contains Carbonate A for greater resistance to ultraviolet rays in outdoor use
 - UL94V-2

Part No.	Size (L" x W")	Tensile Strength	100	1000
139125	3.0 x 0.10	18 lbs.	\$.04	\$.03
104142	4.0 x 0.10	18 lbs.	.05	.03
104134	6.0 x 0.10	40 lbs.	.08	.05
190782	8.0 x 0.13	40 lbs.	.11	.08
190800	10.0 x 0.14	40 lbs.	.18	.13
190802	13.0 x 0.14	40 lbs.	.19	.17

Cable Tie Assortment Kits

- Tensile strength: 18-50 lbs.
- UL94V-2

Part No.	# of Pieces	# of Colors	1	5	25
145701	1000	10	\$.10.95	\$.9.95	\$.8.95
150412	850	5	19.95	18.95	17.95

Universal Cable Tie Tool

- 0.1" - 0.19" width cable ties
- Tension adjustable
- Spring return action
- Metal

Nylon Cable ID Marker

- Nylon cable tie ID marker (white)
- Order in multiples of 10

Part No.	Size (L" x W" x T")	10	100
135175	2.0 x 0.75 x .02	\$.15	\$.12

3M Wire Marker Tape Dispenser

Dispenser with ten refillable compartments for marking wire with numbers 0 to 9.

- Self-adhesive tapes
- Size: (tape) 96"L x 0.25"W
- 1 roll each numbered 0 to 9

Part No.	Mfr. Part No.	1	10
159231	STD-0-9	\$44.95	\$39.95

Round-Type Strain Relief Bushings

- UL approved nylon 66, 94V-2
- Used extensively for protecting cords and to prolong cord life
- Order in multiples of 10

Part No.	Cable Type	Length (in.)	10	100	1000
182351	SVI/SVT	.43	\$.14	\$.12	\$.10
182369	SJ/SJT; 16 AWG	.58	.14	.12	.10

NAIL-IN CABLE CLIP

P/N 190836

- For flat cables 0.3"W x 0.17"H (max.)
- Impact resistant PE
- With nails inserted

100 pcs. only 99¢

17" Self-Grip/Wrap Velcro Straps

- Wrap around anything and sticks to itself for fast, easy bundling
- Bundle cords, cables, wires, pipes, tubing and trees (landscaping)
- Grip on one side, loop on back
- Eliminates plastic tie wraps and hardware
- Reusable
- Size: 17"L x 1/2"W (cut to your length)
- Color: black
- 12 pieces in pack

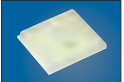






Part No.	Mfr. Part No.	1	10	20
2125325	Self-grip/wrap velcro	\$5.95	\$5.39	\$4.95

ELECTRICAL TAPE

Tape products located on page 150

Cable Tie Mounts & Cable Clamps

- Tie mount and screw tab cable clamps
- Material: UL approved nylon 66, 94V-2

							
Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5	Fig. 6	Fig. 7	
Part No.	Cross Ref. No.	Fig.	Description	Order in multiples of 10	10	100	1000
182942	0505HC-101S	1	4-way cable tie mount, self-adhesive, use w/ 0.18"W max. ties, .75"sq.		\$.15	\$.13	\$.12
171214	HC-100	1	4-way cable tie mount, self-adhesive, use w/ 0.1"W max., 0.5" square .....		.16	.14	.13
71408	HC-101	1	4-way cable tie mount, self-adhesive, use w/ 0.1"W max., 0.9" square .....		.19	.17	.15
71395	HC-102	1	4-way cable tie mount, self-adhesive, use w/ 0.2"W max., 1.1" square .....		.25	.23	.19
71386	HC-103	1	4-way cable tie mount, self-adhesive, use w/ 0.4"W max., 1.1" square .....		.33	.29	.27
70595	HC-0	2	4-way cable tie, screw type, use w/ 0.2"W max., 0.8"L x 0.4"W .....		.19	.17	.15
182301	0510HC-2	3	Cable tie mount, saddle type, 0.14" screw hole, 0.9"L x 0.6"W, use w/ 0.35"W max. ties ...		.17	.15	.14
173761	HC-1	3	Cable tie mount, saddle type, 0.14" screw hole, 0.6"L x 0.4"W, use w/ 0.2"W max. ties ..		.12	.11	.10
182376	0519ATC-22	4	Ladder style releaseable cable tie w/ 2.8" strap, self-adhesive, 1.2"L x 0.85"W ...		.06	.04	.02
182334	0520FC-1	5	Cable tie mount, self-adhesive, 0.5"L x 0.4"W, use w/ 0.3"W max. ties.....		.21	.19	.16
173729	UC0.5	6	Cable clamp for 3/16" cable .....		.08	.06	.05
173737	UC1	6	Cable clamp for 1/4" cable .....		.11	.10	.09
71062	MCV-100R	7	Cable ID tie (4"L x 0.1"W) with tab (.98"W x .31"H) .....		.29	.27	.23

FLEXO® Braided Sleeve

- Color: black
- Length: 25 feet
- Cut and abrasion resistant
- Maintains properties across wide temperature range
- UV resistant

Flexo® Clean-Cut Braided

- Dense braid structure provides fuller coverage
- Fray resistant when cut w/ scissors

Flexo® Pet Braided

- Braided from 10 mil polyethylene terephthalate monofilament yarns
- UL recognized component
- Conforms to FMVSS 302
- High tensile strength

Part No.	Mfr. Part No.	Min/Max Flex (in.)	Inside Dia. (in.)	Outside Dia. (in.)	1	5
693679	PTNO.25BK25	1/8 - 7/16	0.250	0.440	\$8.95	\$7.95
695383	PTNO.50BK25	1/4 - 3/4	0.500	0.550	11.95	10.95

Flat & Tubular Tinned Copper Braid

These braids are used for shielding cables, ground straps, and as a protective braid covering hoses and tubes.

- Woven wire construction
- 100 ft. spools
- 95% minimum shield coverage
- QQ-W-343 & ASTM B-33 Compliant

Part No.	Description	1	5	25
2124189	1/4" nominal width x .03" flat, 168 x 36 strand, approx. 14 AWG	\$54.95	\$49.95	\$44.95
2124154	Tubular 1/4" nominal ID, 384 x 36 strand, approx. 10 AWG	84.95	76.49	69.95
2124162	Tubular 3/8" nominal ID, 384 x 36 strand, approx. 10 AWG	89.95	79.95	72.95

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Polyolefin Heat Shrink Tubing

FIT221/FIT221B Series

Insulation from environment and resistance from water, fungus, and UV light. Use for insulation and repair, wire and cable harnessing/bundling, cable and connector protection, and wire and tubing splicing and connecting.

- Operating temp: -55°C to 135°C
- Shrinkage ratio: 2:1 @ 121°C
- Dielectric strength: 500V/mil (197kV/cm)
- Volume resistivity: 10¹⁴Ω-cm

Clear (4-foot pieces)

* Web Code: HST

Part No.	Mfr.	Part No.	Before/After ID (in.)	1	10	100
419119	FIT221-3/64	.046/.023	.....	\$ .95	\$.89	\$.79
419135	FIT221-1/16	.063/.031	.....	1.09	.99	.89
419274	FIT221-3/4	.750/.375	.....	2.65	2.49	2.35
2113682	TT-72801	1.00/.500	.....	4.25	3.95	3.49

Black (4-foot pieces)

419101	FIT221B-3/64	.046/.023	.....	\$ .89	\$.79	\$.69
419127	FIT221B-1/16	.063/.031	.....	.99	.89	.79
419143	FIT221B-3/32	.093/.046	.....	.99	.89	.79
419160	FIT221B-1/8	.125/.062	.....	.99	.89	.79
419186	FIT221B-3/16	.187/.093	.....	1.25	1.09	.99
419207	FIT221B-1/4	.250/.125	.....	1.75	1.59	1.39
419223	FIT221B-3/8	.375/.187	.....	1.95	1.75	1.59
419240	FIT221B-1/2	.500/.250	.....	1.95	1.85	1.69

1500-WATT HEAT GUN AND STRIPPER

- Dual heat setting: 600°F/1100°F
- Use for heat shrink tubing

Part No.	Mfr.	Part No.	1	5
76865	GIHG1	.....	\$47.95	\$42.95

3M JAMECO ValuePro

Heat Shrink Tubing Kits

A selection of heat shrinkable flexible polyolefin tubing that offers an outstanding balance of electrical, physical and chemical properties for a wide variety of industrial and military applications. Rated for 275°F (135°C).

2095 971		2095963		285481		2095947		645976	
Size	Pieces	Size	Pieces	Size	Pieces	Size	Pieces	Size	Pieces
1/8"	12	1/16"	56	3/16"	30	1/16"	56	3/32"	35
1/4"	10	3/32"	35	1/4"	28	3/32"	35	1/8"	28
3/8"	6	1/8"	28	3/8"	20	1/8"	28	3/16"	21
1/2"	4	3/16"	18	1/2"	14	3/16"	18	1/4"	21
3/4"	3	1/4"	9	3/4"	6	1/4"	9	3/8"	14
1"	2	3/8"	8	1"	4	3/8"	8	1/2"	14

Part No.	Mfr.	Description	Pieces	Length	1	5
2095971	ValuePro	Black, dual wall, moisture resistant	37	4.....	\$24.95	\$22.49
2095963	ValuePro	Black	154	4.....	19.95	17.95
285481	3M	Black	102	6.....	69.95	63.95
2095947	ValuePro	Black/red/white/yellow/blue/green/clear	154	4.....	19.95	17.95
645976	3M	Black/red/white/yellow/blue/green/clear	133	6.....	69.95	66.49

JAMECO ValuePro

Heat Shrink Tubing

* Web Code: HST

- 2:1 uniform shrink ratio
- Shrink temp.: 90°C
- Color: black

Polyolefin Tubing

- Only sold in 10' & 100' lengths

Part No.	Dia. Before (mm)	Length (ft.)	1	10
644834	0.12" (3)	10	\$1.95	\$1.75
644851	0.12" (3)	100	12.65	11.49
644869	0.16" (4)	10	2.15	1.95
644877	0.16" (4)	100	19.95	17.95
644906	0.20" (5)	10	2.25	1.95
644914	0.20" (5)	100	21.45	19.29
644931	0.24" (6)	10	2.39	2.15
644949	0.24" (6)	100	21.75	19.59
644957	0.31" (8)	10	3.25	2.95

Polyolefin Tubing (Continued)

Part No.	Dia. Before (mm)	Length (ft.)	1	10
644965	0.31" (8)	100	\$31.95	\$28.75
644973	0.43" (11)	10	3.95	3.55
644981	0.43" (11)	100	27.95	24.95
644990	0.59" (15)	10	4.95	4.49

Polyolefin Flexible Tubing

- Dielectric strength: 1300V
- Temp. range: -45°C to +125°C
- Flame retardant
- Precut 39" length (1 meter)

Part No.	Dia. Before (mm)	1	10	100
71871	.079" (2.0)	\$.55	\$.49	\$.45
71280	.098" (2.5)	.75	.69	.65
72063	.197" (5.0)	.85	.75	.65

Audio/Video Cables & Adapters

GAMEDUINO SHIELD FOR ARDUINO

Make your own games for the Arduino

- Game adapter for Arduino or anything with an SPI interface
- Stacks onto your Arduino and has plugs for VGA monitor and stereo speakers
- Video output is 400x300 pixels in 512 colors
- Compatible with standard VGA monitors (800x600 @ 72Hz)
- 64 independent voices 10-8000Hz

Part No.	Mfr.	Part No.	1	5
2143945	Gameduino	.....	\$54.95	\$52.95



JAMECO ValuePro

S-VHS Cables and Adapters

Low-loss fully shielded Super-VHS cables, 4-contact mini DIN plus S-VHS cable and dual-RCA plug stereo cables.

- Fully-molded color coded gold RCA connectors
- Flexible black PVC jacket
- Applications: home theaters, DSS receivers, Super-VHS VCRs, camcorders & DVD players

Part No.	Description	1	10	100
683075	S-video male plug to RCA video female jack (blue)	\$.89	\$.79	\$.69
2120487	6' S-VHS video cable, silver plated	1.59	1.45	1.29
228591	6' S-VHS video cable, gold plated	1.75	1.59	1.45



683075

228591

JAMECO ValuePro

Audio/Video BNC to RCA Cable

Fully molded nickel connectors. Used for displays that require a single BNC connection from a PAL/NTSC video source.



* Web Code: QAP

Part No.	Description	1	10	25
683059	6' male BNC to male RCA cable (RG-59)	\$3.95	\$3.49	\$2.95

JAMECO ValuePro

RGB/VGA Video Cables

- 75Ω coaxial cable
- Pin 1 red, pin 2 green, pin 3 blue, pin 14 white/black vertical, pin 13 gray horizontal
- 5 BNCs to HDDB15-pin male
- Color: black



73648

Part No.	Description	1	10
73648	6' cable	\$6.49	\$5.95
118068	10' cable	7.95	6.95

JAMECO ValuePro

DVI Cable

* Web Code: EEM

Digital Video Interface (DVI) provides a high-speed digital connection for visual data types that are display technology independent. The DVI specifications meet the needs of all segments of the PC industry and will enable these different segments to unite around one monitor interface standard.

- DVI male digital to DVI male digital

Part No.	Description	1	10	25
1944265	Dual link 3 meters	\$11.95	\$10.95	\$10.49



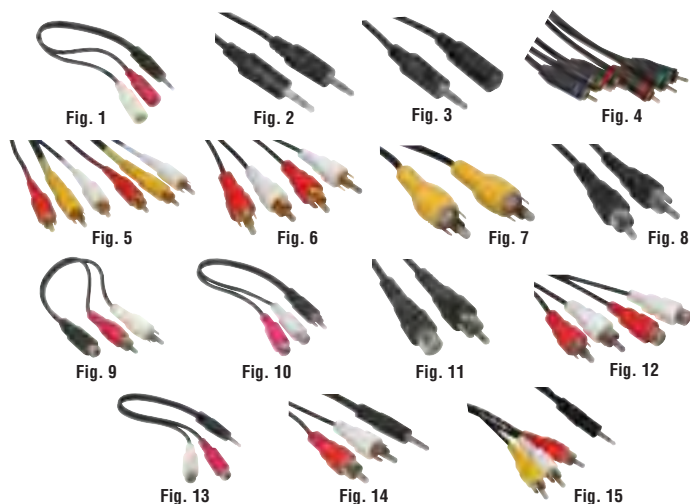
Upgrade to the best Audio/Video standards with HDMI, see next page

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

JAMECO ValuePro

Audio/Video Cables and Adapters

* Web Code: QAP



3.5mm Audio Splitter and Extension/Patch Cables

* Web Code: JAU

Part No.	Fig.	Description	1	10	100
228398	1	6' 3.5mm stereo Y-cable F jacks (2) to M plug	\$2.35	\$2.09	\$1.89
228494	2	6' 3.5mm stereo M to M plug (black)	1.45	1.29	1.15
2128147	2	3' retractable 3.5mm stereo M to M plug, 4' when coiled	3.25	2.95	2.75
228515	3	6' 3.5mm stereo M plug to F jack (black)	2.35	2.09	1.89
228507	2	12' 3.5mm stereo M to M plug (black)	1.95	1.75	1.59
228523	3	12' 3.5mm stereo M plug to F jack (black)	2.49	2.25	1.95

RCA Audio/Video Patch Cables

Part No.	Fig.	Description	1	10	100
2081852	4	6' RCA component video (3) M to (3) M	\$4.95	\$4.49	\$3.95
228216	5	3' stereo video patch cable, gold plated	1.49	1.39	1.25
228443	6	3' RCA stereo (2) M to (2) M plugs, gold plated	1.59	1.45	1.29
183312	7	4' RCA M to M plug (black)	1.35	1.19	1.09
206974	7	4' RCA M to M plug (yellow)	1.35	1.19	1.09
1949470	8	6' RCA M to M plug, gold plated	1.59	1.39	1.19
106375	8	6' RCA M to M plug (black)	1.75	1.59	1.25
2082417	7	6' RCA M to M plug (yellow)	1.49	1.35	1.19
228451	6	6' RCA stereo (2) M to (2) M plugs, gold plated	1.95	1.75	1.49
2135603	5	5' RCA (3) M to (3) M plugs, nickel plated	1.65	1.49	1.35
29349	7	10' RCA mono M to M plug (yellow)	2.25	1.95	1.75
228460	6	12' RCA stereo (2) M to (2) M plugs, gold plated	2.39	2.15	1.95
225980	5	12' RCA (3) M to (3) M plugs, gold plated	3.95	3.55	3.19
228478	6	25' RCA stereo (2) M to (2) M plugs, gold plated	2.95	2.65	2.39

RCA Audio/Video Extension Cables

* Web Code: QAP

228371	9	6' RCA (2) M plugs to RCA F jack	\$.95	\$.89	\$.85
228355	10	6' RCA M plug to RCA (2) F jacks	.95	.89	.85
228419	11	6' RCA mono M plug to F jack	1.25	1.09	.99
228486	12	6' RCA stereo (2) M plugs to (2) F jacks	1.49	1.39	1.25

RCA to 3.5mm Audio Cables

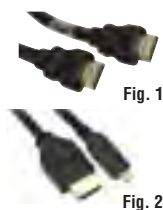
* Web Code: QAP

228380	13	6' RCA stereo (2) F jacks to 3.5mm stereo M plug	\$1.95	\$1.75	\$1.59
228401	14	6' RCA stereo (2) M plugs to 3.5mm stereo M plug	1.65	1.49	1.35
2158274	15	6' RCA A/V (3) M plugs to 3.5mm M (4 pole)	2.95	2.59	2.25

HDMI Cables & Adapters

* Web Code: DEM

High Definition Multimedia Interface (HDMI) is the industry supported, uncompressed, all digital audio/video interface. HDMI provides an interface between any audio/video source, such as set-top box, DVD players, A/V receivers, audio/video monitors, DTV, HDTV, and plasma monitor.



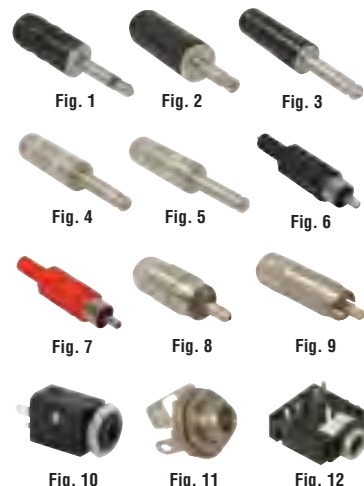
Part No.	Fig.	Product No.	Description	1	5	25
1944142	1	10HM-01128-01	HDMI male to male, 1 meter	\$8.95	\$7.95	\$6.95
1944151	1	10HM-01128-02	HDMI male to male, 2 meters	9.95	8.95	7.95
2145131	1	PCM-2295-03M	HDMI male to male, 3 meters	10.95	9.95	8.95
1944169	1	10HM-01128-05	HDMI male to male, 5 meters	12.95	11.95	10.95
2127179	2	CH15180G	HDMI type A to micro type D, 6'm/m	7.95	6.95	5.95
1944185	3	10HM-15128-02	Male to DVI-D single link, 2 meters	11.95	10.95	9.95
2145140	3	PCM-2296-03M	Male to DVI-D single link, 3 meters	12.95	11.95	10.95
2125907	4	F27334-1	DVI-A M to VGA adapter	6.95	5.95	4.95
1944214	5	30HM-15328-MO	HDMI F to DVI M video adapter	6.95	5.95	4.95

Stereo, Phone, Audio Plugs & Jacks

* Web Code: AJS

Part No.	Manufacturer	Product No.	Fig.	Description	Dimensions (mm)	1	10	100
297297	Switchcraft	850X	1	2.5mm mono phone, audio plug, black plastic	25.8L x 6.35 Dia.	\$3.65	\$3.45	\$3.25
281869	Switchcraft	750	2	3.5mm mono audio plug, plastic	41.5L x 5.7 ID	4.25	3.95	3.75
281754	Switchcraft	250	3	1/4" mono phone audio plug, plastic	73.7L x 7.6 ID	3.69	3.49	3.29
281789	Switchcraft	297	4	1/4" stereo phone audio plug, metal	73.7L x 7.6 ID	4.95	4.49	3.95
281771	Switchcraft	280	5	1/4" mono phone audio plug, metal	73.7L x 7.6 ID	4.49	3.69	3.25
229921	ValuePro	JR1625BLK	6	RCA plug, plastic, black (5 pk)	51.5L x 5.0 ID	1.45	1.29	1.15
229930	ValuePro	JR1625	7	RCA plug, plastic, red (5 pk)	51.5L x 5.0 ID	1.45	1.29	1.15
281800	Switchcraft	3502	8	RCA phone audio plug, metal	33.8L x 5.0 ID	2.49	2.19	1.95
2125579	ValuePro	3502-1	9	RCA phone audio plug, nickel	34.5L x 7.2ID	1.75	1.59	1.45
2129975	Switchcraft	MDSL2A	10	2.5mm mono phone audio jack, threaded	12.6H x 8.7L x 7.8W	2.55	2.29	2.09
2095437	ValuePro	J355W	10	3.5mm stereo audio jack, panel mt., terminal	10.1H x 8.4W x 17.6L	1.49	1.15	.99
281834	Switchcraft	41	11	3.5mm audio jack, panel mount, terminal	7.8L x 5.9 Dia.	2.39	2.25	2.09
568392	Switchcraft	35RAPC4BH3	12	3.5mm stereo jack, rt. angle horz., threaded	6.0H x 11.0W x 8.0L	1.95	1.75	1.49
1766180	Switchcraft	35RAPC4BHN2	12	3.5mm stereo jack, rt. angle horz., non-threaded	5.0H x 12.0W x 15.0L	1.69	1.49	1.35
2081334	Shogyo	354-3PY	12	3.5mm mono jack, rt. angle horz., non-threaded	6.1H x 11.9W x 12.0L	1.09	.89	.69

† Closed circuit



Continued on next page

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Audio Adapters, Plugs, Jacks & CPC Contacts

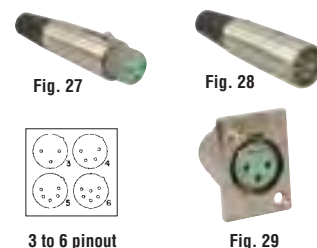
Stereo, Phone, Audio Plugs & Jacks (Continued)

					* Web Code: AJS		
Part No.	Manufacturer	Product No.	Fig. Description	Dimensions (mm)	1	10	100
2100291	ValuePro	354-PY (CT)	13 3.5mm mono jack, rt. angle horz., threaded	6.45H x 11.7W x 14.3L	\$1.09	\$.89	\$.69
2081772	Kycon	ST3120-3-WHT	14 3.5mm stereo jack, rt. angle horz., non-threaded	10.45H x 12.0W x 6.8L	.49	.45	.39
1766121	Switchcraft	35RAPC2AV	15 3.5mm mono jack, rt. angle ver., threaded	11.6H x 7.7W x 14.0L	1.25	1.19	1.09
1766198	Switchcraft	35RAPC4BV4	15 3.5mm stereo jack, rt. angle ver., threaded	12.3H x 8.1W x 14.0L	2.25	1.95	1.75
2095373	ValuePro	HTJ-035-22D	16 3.5mm mono jack, rt. angle horz., non-threaded, blk.	10.45H x 10.0W x 14.0L	.89	.79	.69
2081238	Shogyo	SCJ330	10 3.5mm mono audio jack	10.6H x 9.0W x 21.7L	1.95	1.75	1.49
281738	Switchcraft	11	17 1/4" mono phone audio jack, 2-pos., single open	12.8L x 9.1 Dia.	1.95	1.75	1.59
296892	Switchcraft	12A	18 1/4" mono phone audio jack, 2-pos., single closed	31.7L x 9.4 Dia.	2.09	1.99	1.89
281746	Switchcraft	12B	18 1/4" stereo phone audio jack, 3-pos., double open	14.7L x 9.1 Dia.	2.09	1.95	1.85
2120209	ValuePro	STJ-25	19 1/4" stereo phone audio jack, shielded, threaded	20.8L x 16.7W x 16.5H	1.69	1.49	1.35
220581	ValuePro	KY-006-1(W)	20 RCA jack, PCB mount, white	11.2H x 14.2W x 12.2L	.59	.55	.49
220556	ValuePro	KY-006-1(R)	20 RCA jack, PCB mount, red	11.2H x 14.2W x 12.2L	.65	.59	.55
220572	ValuePro	KY-006-1(B)	20 RCA jack, PCB mount, black	11.2H x 14.2W x 12.2L	.39	.35	.25
220564	ValuePro	KY-006-1(Y)	20 RCA jack, PCB mount, yellow	11.2H x 14.2W x 12.2L	.39	.35	.29
2076359	ValuePro	AJ842G3	21 RCA jack, PCB mount, rt. angle, red/white/yellow (3)	40.6H x 22.9W x 21.6L	.55	.49	.45
2076332	ValuePro	SCJ-0358-YLW	22 RCA jack, PCB mount, yellow	9.9H x 19.1W x 13.0L	.45	.39	.35
169502	ValuePro	SCJ-0358-BLK-R	22 RCA jack, PCB mount, black	10.2H x 21.6W x 12.7L	.55	.49	.45
319249	Velleman	CA066	23 RCA jack, 2 pair stereo, panel mount, red/white	73.7H x 12.2W x 24.9L	.95	.85	.75
159485	ValuePro	CS7021-DN-BLK-R	24 RCA jack, panel mount, black	21.3W x 9.7H	.95	.85	.75
172340	ValuePro	CS7021-DN-RD-R	24 RCA jack, panel mount, red	21.3W x 9.7H	.85	.75	.69
2123451	Velleman	LSC2	25 Speaker terminal board, 2-pos, pushbutton	50.8H x 50.8W x 31.8D	.99	.89	.79
2123469	GC/Waldom	33-1404	26 Speaker terminal board, 4-pos, pushbutton	76.2H x 25.4W x 31.8D	2.25	1.95	1.75



Microphone (XLR) Connectors

					* Web Code: ABV		
Part No.	Manufacturer	Product No.	Fig. Description	Dimensions (mm)	1	10	25
277026	Switchcraft	A3F	27 3-pin female, straight cord w/ latchlock	82.5 x 5.3 Dia.	\$5.95	\$5.49	\$4.95
319003	ValuePro	250-720	27 3-pin female, straight cord w/ latchlock	81.5L x 7.43D	2.25	1.95	1.75
281560	Switchcraft	A3M	28 3-pin male, straight cord plug	70.3 x 5.3 Dia.	4.55	3.95	3.65
319011	ValuePro	250-710	28 3-pin male, straight cord plug	70.6L x 7.31D	2.95	2.65	2.39
281640	Switchcraft	D3F	29 3-pin female, metal, panel mount, latchlock	27.0W x 36.3H x 30.6D	4.95	4.49	3.95
319038	ValuePro	250-705	29 3-pin female, metal, panel mount, latchlock	26.2W x 35.5H x 35.9D	3.95	3.49	2.95



Audio Adapters

					* Web Code: KBQ		
Part No.	Manufacturer	Product No.	Description		1	10	100
2115637	Belkin	F8V211TT	1/4" stereo F jack to 3.5mm stereo M plug		\$.65	\$.55	\$.49
228283	ValuePro	251-120	RCA F jack to mono 1/4" M plug		.69	.59	.55
228267	ValuePro	251-116	RCA F to F jack coupler, gold plated		.59	.55	.49
2115629	Belkin	F8V210TT	RCA F to F jack coupler, silver plated		.49	.45	.39



AMP

Type III+ Snap-In Crimp Pins w/ Retention Spring

- Finish: A: 30µ" gold over nickel
B: 15µ" gold over nickel
C: Tin-lead
- Crimp type except *P/N 526424 (solder type)
- Contact body – brass or phosphor bronze

Part No.	Mfr. P/N	AWG	Finish	Type	1	10
526441	1-66361-1	18-14	A	Pin	.85	.75
526424	66180-1	18-16	A	Pin*	.99	.89
526432	66181-1	18-16	A	Socket	1.25	1.09
526459	66103-3	24-20	B	Pin	.59	.49
526563	1-66103-5	24-20	C	Pin	.39	.35
526361	1-66103-7	24-20	A	Pin	.69	.59
526379	66105-3	24-20	B	Socket	.59	.55
526504	1-66105-6	24-20	C	Socket	.55	.49

CPC Contacts



Size 20DF Contacts

- Contact body: brass
- Finish: A: 30µ" gold over nickel;
B: gold flash over nickel

Part No.	Mfr. P/N	AWG	Finish	Type	10	100
223221	1-66505-0	28-24	B	Socket†	\$.15	\$.12
223247	745253-6	26-22	A	Socket†	.19	.15
223298	66504-9	24-20	A	Socket	.19	.15
223255	1-66504-0	24-20	B	Socket	.19	.15

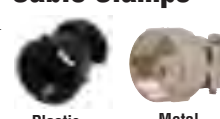
† With insulation support

* Web Code: LEF

AMP Circular Cable Clamps

Provides strain relief and can be used in all series receptacles and plugs.

- Material: thermoplastic black, UL94V-0 rated (plastic); zinc alloy (metal)



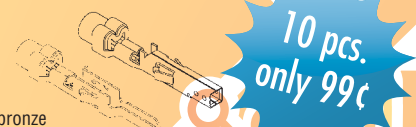
* Web Code: PCB

Part No.	Mfr. P/N	Material	Shell Size	Cable O.D. (max.)	1	10
494039	206062-1	Plastic	11	.329"	\$3.95	\$3.49
494063	206070-1	Plastic	17	.453"	3.95	3.49
494055	206966-1	Plastic	13	.453"	3.95	3.49
494119	208945-7	Metal	22	.750"	7.95	6.95

Need Crimping Tools...
See page 141

DOLLAR STORE - FEMALE AND MALE CONTACTS

P/N 401728	Female, 22-28 AWG ¹	P/N 401808	Female, 16 AWG ³	1 15µ" gold over nickel over brass
P/N 401752	Female, 22-28 AWG ²	P/N 401867	Male, 16 AWG ¹	2 Tin over nickel over phosphor bronze
P/N 401787	Female, 22-28 AWG ³	P/N 401841	Male, 22 AWG ¹	3 15µ" gold over nickel over phosphor bronze



* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

NAME BRANDS	4 LEVELS OF SAVINGS	DOLLAR SALE
HOUSE BRANDS	FACTORY OVERRUN	

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

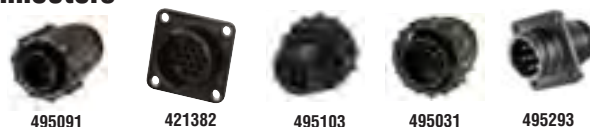
AMP

CPC Circular Plastic Connectors

Series 1 — Standard density, signal and low-current applications

- Accepts type III+; high-current type II and subminiature coax contacts
- Voltage rating: 600V (UL)
- For terminals/CPC contacts, see page 57

***Web Code: WBK**



Plugs – Free Hanging

Part No.	Mfr. P/N	Size/Pos.	Gender	Mating Connector	1	10
495091	206429-1	11-4	Reverse	495218	\$3.25	\$2.95
495082	206060-1	11-4	Standard	495162, 750311	3.25	2.95
421374	211399-1	13-7	Standard	913791, 495293	3.95	3.59
495103	206708-1	13-9	Standard	495293	3.95	3.59
495031	206044-1	17-14	Reverse	495162, 839324	3.75	3.49
495322	206037-1	17-16	Standard	495146	3.75	3.49

Receptacles – Panel Mount

Part No.	Mfr. P/N	Size/Pos.	Gender	Mating Connector	1	10
495218	206430-1	11-4	Reverse	495091	\$2.49	\$2.25
495162	206061-1	11-4	Standard	495082	2.49	2.25
495293	211401-1	13-7	Standard	421374	4.95	4.49
495146	206043-1	17-14	Reverse	495322	2.75	2.49
421382	206036-1	17-16	Standard	495031	2.75	2.49

D-Subminiature Connectors

Right Angle PCB Mount

Metal .318" Setback – Tin plated short style

***Web Code: FAN**



Part No.	Manufacturer	Product No.	Contacts	Gender	1	10	100
1952839	Foxconn	D-SUB-9M	9	M	\$.49	\$.39	\$.29
104943	ValuePro	DB9P318	9	M	.85	.75	.65
614441	AMP	747840-4	9	M	.99	.89	.75
104952	ValuePro	DB9S318	9	F	.79	.69	.59
614504	AMP	747844-4	9	F	1.49	1.25	1.09
71124	ValuePro	DA15P318	15	M	.75	.65	.55
71125	ValuePro	DA15P318	15	M	.85	.79	.65
77956	ValuePro	DA15S318	15	F	.85	.79	.65
1952273	Kycon	HDDSUB-15S	15	F	*	.09	.08
71466	ValuePro	HDDB15S318	15	F	.99	.89	.79
15150	ValuePro	DB25P318	25	M	.85	.75	.65
15182	ValuePro	DB25S318	25	F	.95	.85	.75
71706	ValuePro	DC37P318	37	M	1.25	1.09	.95
78183	ValuePro	DC37S318	37	F	1.25	1.09	.95

*High Density † Without female jack screws

Right Angle PCB Mount

Metal .590" Set Back – Tin plated long style

• Current rating: 1A

***Web Code: HAN**

*** Order in multiples of 10**

Part No.	Manufacturer	Product No.	Contacts	Gender	1	10	100
104970	ValuePro	DB9P590	9	M	\$1.09	\$.99	\$.89
104978	ValuePro	DB9S590	9	F	1.29	1.15	.99
104985	Astron	DA15P590	15	M	*	.19	.15
104993	ValuePro	DA15S590	15	F	*	.19	.15
104994	ValuePro	DA15S590	15	F	.99	.89	.79
189624	ValuePro	DB25P590	25	M	*	.19	.15
105013	ValuePro	DB25S590	25	F	1.25	1.09	.89
2135056	ValuePro	1011-25A-R	25	F	1.49	1.25	1.09
105014	ValuePro	DB25S590	25	F	1.95	1.75	1.49

† Without female jack screws †† Without board tabs

Metal Straight PCB Mount

***Web Code: SBK**

*** Order in multiples of 10**

Part No.	Manufacturer	Product No.	Contacts	Gender	1	10	100
111692	ValuePro	DB9PPCB	9	M	\$.65	\$.55	\$.45
15781	ValuePro	DB9SPCB	9	F	.65	.55	.45
176760	ValuePro	DA15PPCB	15	M	.75	.65	.55
176752	ValuePro	DA15SPCB	15	F	.75	.65	.55
2133510	AMP	749798-1	15	F	.99	.89	.79
15123	ValuePro	DB25PPCB	25	M	.89	.79	.69
15165	ValuePro	DB25SPCB	25	F	.99	.89	.79
180021	ValuePro	DC37SPCB	37	F	1.49	1.25	1.09

*High Density

Metal Solder-Cup

***Web Code: EAB**

*** Order in multiples of 10**

Part No.	Manufacturer	Product No.	Contacts	Gender	1	10	100
15748	ValuePro	1001-9P-R	9	M	\$.75	\$.65	\$.55
222990	AMP	747904-2	9	M	2.95	2.49	2.25
15771	ValuePro	500-109	9	F	.75	.65	.55
2125510	Amphenol	DB9S-SFJ	9	F	1.25	1.09	.95
223052	AMP	747905-2	9	F	2.95	2.75	2.49
15035	ValuePro	1001-15P-R	15	M	.85	.69	.59
15078	ValuePro	1002-15P-R	15	M	1.09	.89	.75
15052	ValuePro	1001-15S-R	15	F	.85	.69	.59
164823	ValuePro	1002-15S-R	15	F	1.09	.89	.75
15115	ValuePro	1001-25P-R	25	M	1.25	.99	.89
223010	AMP	747912-2	25	M	3.49	3.25	2.95
15157	ValuePro	500-125	25	F	1.25	.99	.89
223079	AMP	747913-2	25	F	2.95	2.75	2.49
203799	ValuePro	1002-26P	26	M	.75	.65	.59
639630	Amphenol	EDC37P	37	M	.59	.55	.49
15473	ValuePro	1002-37P	37	M	1.49	1.25	1.09
482724	Amphenol	EDC37S	37	F	1.09	.99	.89
15500	ValuePro	1001-37S	37	F	1.49	1.25	1.09
482732	Amphenol	EDD50P	50	M	*	.19	.15
15676	ValuePro	GC029-R	50	M	1.49	1.25	1.09
482741	Amphenol	EDD50S	50	F	.35	.29	.25

† With female jack screws *High Density

Crimp-Type

***Web Code: UBR**

*** Order in multiples of 10**

Part No.	Manufacturer	Product No.	Contacts	Gender	1	10	100
73189	ValuePro	500-010	9	M	\$.55	\$.45	\$.35
222640	AMP	205204-1 (Tin)	9	M	1.15	.95	.85
73197	ValuePro	500-110	9	F	.55	.45	.35
222842	AMP	205203-3 (Tin)	9	F	.89	.79	.69
222691	AMP	205203-1 (Zinc)	9	F	1.15	.95	.85
73200	ValuePro	G37-15	15	M	.59	.49	.39
180882	ValuePro	1006-15P-R	15	M	.59	.49	.39
222658	AMP	205206-1 (Zinc)	15	M	.89	.79	.69
73219	ValuePro	G1G125-R	15	F	.59	.49	.39
38789	ValuePro	500-027	25	M	.89	.75	.65
38771	ValuePro	500-1N27	25	F	.89	.75	.65

*High Density

See opposite page for D-Sub Solder & Crimp Contacts

BEST SELLING D-SUB CONNECTORS

Part No.	Description	Contacts	Gender	Price
15748	Straight metal solder cup	9	M	\$.75
104943	.318 setback, rt. angle PCB mount	9	M	.85
15182	.318 setback, rt. angle PCB mount	25	F	.95
78183	.318 setback, rt. angle PCB mount	37	F	1.25



RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

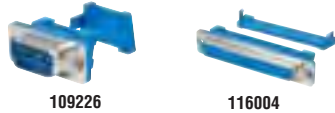
D-Sub Connectors, Contacts, Hoods & Hardware

D-Subminiature Connectors (Continued)

★ Web Code: MAP

IDC Ribbon Cable

- Contact material: phosphor bronze
- Terminates with standard D-type connectors



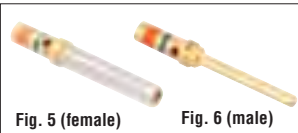
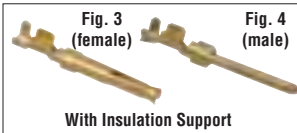
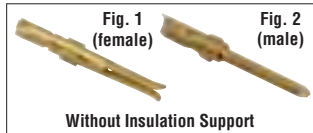
Part No.	Manufacturer	Product No.	Shell	Cont.	Gender	1	10	100
109226	ValuePro	MDB9P	Metal	9	M	\$1.95	\$1.75	\$1.49
12504	ValuePro	CDB9P	Plastic	9	M	2.25	1.95	1.75
109218	ValuePro	MDB9S	Metal	9	F	1.95	1.75	1.49
12521	ValuePro	CDB9S	Plastic	9	F	2.25	1.95	1.75
117382	ValuePro	MDA15P	Metal	15	M	1.95	1.75	1.49
12299	ValuePro	CDA15P	Plastic	15	M	.99	.89	.79

IDC Ribbon Cable (Continued)

Part No.	Manufacturer	Product No.	Shell	Cont.	Gender	1	10	100
116012	ValuePro	MDA15S	Metal	15	F	\$2.25	\$1.95	\$1.75
12319	ValuePro	CDA15S	Plastic	15	F	.99	.89	.79
115984	ValuePro	MDB25P	Metal	25	M	2.75	2.49	2.25
12335	ValuePro	CDB25P	Plastic	25	M	1.89	1.75	1.49
115976	ValuePro	MDB25S	Metal	25	F	2.49	2.25	1.95
12432	ValuePro	CDB25S	Plastic	25	F	1.95	1.75	1.49
115992	ValuePro	MDC37P	Metal	37	M	3.25	2.95	2.65
12466	ValuePro	CDC37P	Plastic	37	M	2.49	2.25	1.95
116004	ValuePro	MDC37S	Metal	37	F	3.49	2.95	2.49

D-Sub Solder & Crimp Contacts

★ Web Code: JDC



Female Solder Contact – Fig. 1

Part No.	Mfr.	Product No.	AWG	10	100	500
223319	AMP	66569-3	18	\$.29	\$.25	\$.22

Male Solder Contact – Fig. 2

Part No.	Mfr.	Product No.	AWG	10	100	500
234982	AMP	66570-3R	28-24	\$.29	\$.25	\$.19

Female Crimp Contacts – Fig. 3

Part No.	Mfr.	Product No.	AWG	10	100	1000
43369	ValuePro	500-155	28-24	\$.15	\$.12	\$.09
185412	ValuePro	1006-PS	28-24	.12	.09	.07
223221	AMP	1-66505-0	28-24	.15	.12	.09
223247	AMP	745253-6	26-22	.19	.15	.12
860001	AMP	66504-4	24-20	.09	.08	.07
223298	AMP	66504-9	24-20	.19	.15	.12
223255	AMP	1-66504-0	24-20	.19	.15	.12

Male Crimp Contacts – Fig. 4

Part No.	Mfr.	Product No.	AWG	10	100	1000
185421	ValuePro	1006-PP†	28-24	\$.12	\$.09	\$.07
43377	ValuePro	500-055	28-24	.15	.12	.09
223108	AMP	66507-9	28-24	.22	.19	.15
223132	AMP	745254-7	26-22	.29	.25	.19
223191	AMP	66506-9	24-20	.19	.15	.12
223167	AMP	1-66506-0	24-20	.19	.15	.12
223175	AMP	205202-7	24-20	.35	.29	.25

† Use with 180882, pg 58

Female Crimp Contact (M39029/63-368) – Fig. 5

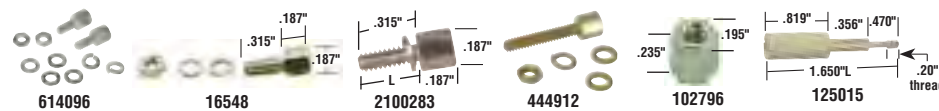
Part No.	Mfr.	Product No.	1	10	100
449351	AMP	205090-1	\$.65	\$.55	\$.49

Male Crimp Contact (M39029/64-369) – Fig. 6

Part No.	Mfr.	Product No.	1	10	100
449342	AMP	205089-1	\$.65	\$.55	\$.49

Hardware for D-Sub Connector Hoods

★ Web Code: PAM



4-40 Hex Jack Screw Sets

614096: 4-40 Hex (.187"W x .187"H x .250"L thread) jack screw, nuts & washer set (2) – plating A

16548: 4-40 Hex (.187"W x .187"H x .315"L thread) jack screw, nut & washer set – plating B

2100283: 4-40 Hex (.187"W x .187"H x .315"L thread) jack screw with lock washer – plating D

444912: 4-40 Hex (.187"W x .187"H x .630"L thread) jack screw, nut & washers set – plating C

Part No.	Mfr.	Prod. No.	Plating*	1	10	100
614096	AMP	745563	A	\$1.09	\$.99	\$.89
16548	ValuePro	14-522	B	.55	.49	
2100283	ValuePro	JS4403LW	D	.19	.15	
444912	Cinch	D20418-39	C	1.95	1.75	1.59

4-40 x .187" Jack Screws

Part No.	Mfr.	Length	Plating*	1	10	100
169931	ValuePro	.275"	A	\$.29	\$.25	\$.19
1582209	Keystone	.315"	C	.19	.15	
102816	ValuePro	.437"	B	.45	.39	.29
108987	ValuePro	.515"	A	.49	.45	.35

4-40 x .187"/.195" Standoffs

Part No.	Mfr.	Length	Plating*	1	10	100
175636	ValuePro	.187"	B	\$.29	\$.25	\$.19
102796	ValuePro	.235"	A	.39	.35	.29

4-40 Slotted Plastic Thumbscrew

125015	ValuePro	1.65"	A ...	\$.39	\$.35	\$.29
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*Plating – A: Zinc, clear chromate B: Chrome
C: Zinc, yellow chromate D: Chrome with lock washer

D-Sub Connector Hoods

★ Web Code: DAB



- Use with D-sub solder cup and housing style connectors (hardware included)

D Series: Plastic hood with strain relief (gray)

MD Series: Metal coated plastic hood w/ strain relief

MH Series: Die-cast metal hood with strain relief

Part No.	Mfr.	Product No.	Pins	1	10	100
15722	ValuePro	DB9H	9	\$.69	\$.59	\$.49
25620	ValuePro	MDB9H	9	.75	.69	.59
147741	ValuePro	MHDB9	9	1.75	1.49	1.25
230893	AMP	205729-1†	9	2.95	2.75	2.49
15019	ValuePro	DA15H	15	.89	.75	.65
25567	ValuePro	MDA15H	15	1.09	.95	.75
15086	ValuePro	DB25H	25	.69	.59	.49
25604	ValuePro	MDB25H	25	.99	.85	.69
15107	ValuePro	MHDB25	25	2.49	2.25	1.95
15457	ValuePro	DC37H	37	1.25	1.09	.89
25612	ValuePro	MDC37H	37	1.09	.95	.79

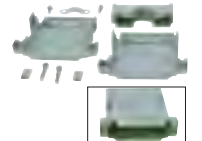
† Plastic clam shell hood (black)



25-Pin Dual Plastic Hood

Designed for custom applications requiring two D-sub connectors.

Kit includes: Backshell and hardware



Part No.	Description	1	10	100
34091	25-pin hood	\$.99	\$.85	\$.69

★ Junction Shells Online — Enter Web Code DAB



D-Sub Crimping Tool

- Heavy-duty metal tool with cutter and insulated handles
- For computer pins & sockets, D-sub 26-28 AWG wire; butt-insulated connectors, 22-26 AWG wire; telephone spade lugs, 22-26 AWG wire and non-insulated connectors, 20-22 AWG & 14-18 AWG
- Coiled spring return • Size: 7.3"L x 1.5"W



★ Web Code: GBU

Part No.	Mfr.	Part No.	1	5	25
99443	HT202A		\$8.95	\$7.95	\$6.95

More Tools on pages 139-144

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

NAME BRANDS	4 LEVELS OF SAVINGS	FACTORY OVERRUN	DOLLAR SALE

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

Power Connectors & Contacts

4 LEVELS OF SAVINGS			
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE

molex

Power Connectors

- 5.03mm (.198") pitch
- Housing: nylon; UL94V-2
- Contact retention to housing: 20 lbs. min.
- Passive friction lock
- Temperature range: -40°C to +105°C



Free Hanging Plug (Matrix)



Panel Mount Plug (In-line)



Free Hanging Receptacle (Matrix)



Panel Mount Receptacle (In-line)

.062" (1.57mm) Plugs (Contacts to the right)

Current: 5.0A

* Order in multiples of 10

Part No.	Mfr. No.	Circuits	Type	Pattern	Mating Conn.	1	10	100
224485	03-06-2023	2	Free hanging	In-line	224400	..... *	\$ .19	\$.15
224506	03-06-2042	4	Free hanging	In-line	224426	..... .35	.29	.25
224514	03-06-2044	4	Free hanging	Matrix	224434	..... .39	.35	.29

* Web Code: HBL

.062" (1.57mm) Receptacles (Contacts to the right)

Part No.	Mfr. No.	Circuits	Type	Pattern	Mating Conn.	1	10	100
224400	03-06-1023	2	Free hanging	In-line	224485	..... *	\$ .19	\$.15
224426	03-06-1042	4	Free hanging	In-line	224506	..... .39	.35	.29
224434	03-06-1044	4	Free hanging	Matrix	224514	..... .39	.35	.25
224442	03-06-1062	6	Free hanging	Matrix	—	..... .29	.25	.19
224451	03-06-1092	9	Free hanging	Matrix	—	..... .35	.29	.25

.093" (2.36mm) Plugs (Contacts to the right)

Current: 12A/circuit

Part No.	Mfr. No.	Circuits	Type	Pattern	Mating Conn.	1	10	100
224071	03-09-2022	2	Free hanging	In-line	224143	..... \$ .25	\$.22	\$.15
224080	03-09-2032	3	Free hanging	In-line	224151	..... .29	.25	.19
224098	03-09-2042	4	Free hanging	In-line	224160	..... .35	.29	.25
743234	19-09-2068	6	Panel mount	In-line	—	..... *	.15	.12

† 6.71mm (.264") pitch

.093" (2.36mm) Receptacles (Contacts to the right)

Part No.	Mfr. No.	Circuits	Type	Pattern	Mating Conn.	1	10	100
224143	03-09-1022	2	Free hanging	In-line	224071	..... \$ .25	\$.22	\$.15
224151	03-09-1032	3	Free hanging	In-line	224080	..... .29	.25	.19
224160	03-09-1042	4	Free hanging	In-line	224098	..... .35	.29	.25
230156	03-09-1041	4	Panel mount	In-line	224098	..... .29	.25	.19
224186	03-09-1094	9	Free hanging	Matrix	—	..... *	.19	.15

D-Sub Pin Insertion/Extraction Tools

- 19094/527582/223335: Plastic body; metal tips
- 223327: Handle with .050" hex wrench and exchangeable tips

Part No.	Mfr.	Product No.	Contact Size	1	10
19094	ValuePro	500-200	—	\$3.95	\$3.49
527582	AMP	91067-1	22	9.49	8.75
223335	AMP	91067-2	20DM/DF	9.95	8.95
223327	AMP	91285-1	HD-20	19.95	18.95

AMP Extraction Tool

- Works with general contacts of CPC, multimate and MATE-N-LOCK II contacts

Part No.	Mfr. Part No.	1	10
841838	305183	\$16.49	\$14.49

molex .093" Power Connector Kits

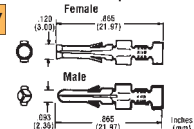
Kit contains mating sets of housings and pins.

- Voltage: 250VAC
- Temp. range: -40°C to +105°C

- 142181: 3 ea. 2-pin plugs & receptacles, 8 ea. female & male contacts • Current: 12A
- 142201: 2 ea. 4-pin plugs & receptacles, 10 ea. female & male contacts

- Current: 9A

Standard Crimp Contacts



Includes: Male and female tin-plated standard brass .010" pins; 18-22 AWG crimp size wire

Part No.	Mfr. Part No.	Description	1	10	100
142181	1545	2-pin kit	\$5.95	\$5.49	\$4.95
142201	1490	4-pin kit	5.95	5.49	4.95

molex

Power Connector Contacts

JAMECO ValuePro

- Contact: brass or phosphor bronze
- Temp. range: -40°C to +105°C
- Tin plating

* Web Code: JBL



Crimp-Type Male



Solder-Tail Male



Crimp-Type Female



Solder-Tail Female

.062" (1.57mm) Bulk Contacts for Plugs & Receptacles

Order in multiples of 10

Part No.	Mfr.	Cross Ref. No.	Description	Gender	AWG	10	100	1000
224581	Molex	02-06-2132	Crimp type	M	24-30	..... \$ .09	\$.07	\$.05
224573	Molex	02-06-1132	Crimp type	F	24-30	..... .09	.07	.05
224565	Molex	02-06-2103	Crimp type	M	18-24	..... .09	.07	.05
224557	Molex	02-06-1103	Crimp type	F	18-24	..... .09	.07	.05
227379	Molex	02-06-8103	Solder tail	M	—	..... .15	.12	.09
227387	Molex	02-06-7103	Solder tail	F	—	..... .12	.09	.07

.084" (2.13mm) Bulk Contacts for Plugs & Receptacles

Part No.	Mfr.	Cross Ref. No.	Description	Gender	AWG	10	100	1000
401314	ValuePro	02-08-1002C	Crimp type	F	12-14	..... \$ .05	\$.04	\$.03
401331	ValuePro	02-08-1004C	Crimp type	F	12-14	..... .05	.04	.03
401306	ValuePro	02-08-1002A	Crimp type	F	18-22	..... .05	.04	.03
401322	ValuePro	02-08-1004A	Crimp type	F	18-22	..... .05	.04	.03
401357	ValuePro	02-08-2004SC	Crimp type	M	12-14	..... .05	.04	.03
379541	ValuePro	02-08-2004SB	Crimp type	M	16-20	..... .05	.04	.03
401349	ValuePro	02-08-2004SA	Crimp type	M	18-22	..... .05	.04	.03

.093" (2.36mm) Bulk Contacts for Plugs & Receptacles

Part No.	Mfr.	Cross Ref. No.	Description	Gender	AWG	10	100	1000
224207	Molex	02-09-2118	Crimp type	M	18-22	..... \$ .12	\$.09	\$.07
224215	Molex	02-09-1119	Crimp type	F	18-22	..... .12	.09	.07
224223	Molex	02-09-2103	Crimp type	M	14-20	..... .12	.09	.07
224231	Molex	02-09-1104	Crimp type	F	14-20	..... .12	.09	.07
224240	Molex	02-09-2133	Solder tail	M	—	..... .15	.12	.09
224258	Molex	02-09-1134	Solder tail	F	—	..... .15	.12	.09

Hand Crimp Tools

* Web Code: GBU

Designed to crimp terminals, strip and cut wires, and cut bolts. For Molex .062" & .093" (above) and KK® series (pg 63) crimp terminals.



308030



227491

Part No.	Mfr. Part No.	Description	Length	Color	1	5
308030	W-HT-1919	For 14-24 AWG wires	8.3"L	Red	\$14.95	\$13.95
227491	W-HT-1921	For 18-30 AWG wires	8.3"L	Yellow	14.95	13.95

JAMECO ValuePro

.156" (3.98mm) Pitch AT Power Connectors

- Voltage rating: 250V AC/DC
- Current rating: 7A AC/DC
- Temperature range: -25°C to 85°C
- Withstanding volt.: 1500V/min.
- Insulation resistance: 1000MΩ min.
- For use with motherboards and power supplies
- Size: 78327: 0.94"L x 0.25"W x 0.74"H
- 78319: 0.93"L x 0.37"W x 0.57"H
- Material: nylon



78327

* Web Code: QAT

Order in multiples of 10

Part No.	Description	10	100
78327	6-pin female housing	..... \$ .25	\$.22
78300	6-pin male housing	..... .22	.19
78319	Crimp terminal brass/tin	..... .05	.04

GRAB BAG: 100 ASST CONNECTORS

More Grab Bags on page 39 P/N 2133739

ONLY \$9.95

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.



.118" Pitch ATX Power Connectors

* Web Code: FEM

For Motherboards and Power Supplies

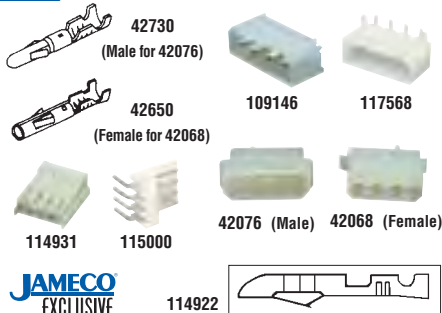
- Current rating: 7A AC/DC • Temperature range: -25°C to 85°C
- 147379: Material: nylon 66, UL-94VO
- Material of post: tin-plated brass • Diameter of post: 0.045"
- 147387: Material: nylon 66, UL-94VO
- 147395: Material: tin-plated brass • Use crimping tool P/N 338678, pg 63

Part No.	Description	L	W	H	Dia	Use With	1	10	100	1000
147379	20-pin male connector	1.7"	0.4"	0.6"	—	—	\$.49	\$.45	\$.39	\$.35
147387	20-pin housing connector	1.7"	0.4"	0.8"	—	147395	.49	.45	.39	.35
147395	Power terminal pin, F	0.59"	—	—	0.068"	147387	*	.12	.09	.07

* Order in multiples of 10



Power Connectors & Pins



Connector & Housing Specifications:

- Voltage rating: 250VAC (Mate-N-Lock 600VAC)
- Operating temperature: -55°C to +105°C

Crimp Pin Specifications:

- Material: tin plated brass
- Current rating: 1.5A
- Wire size range: 18-24 AWG
- Use crimp tool P/N 99443, pg 141

* Web Code: KAP

.200" – For 5.25" Disk Drives & Power Supplies

42076 & 42068 Connector Housings:

- External key bar indicates pin 1
- Extraction tools, P/Ns 131887 & 131879 (see right)
- Keyed mating connectors

* Order in multiples of 10

Part No.	Description	1	10	100
109146	4-pin male vert. PCB mtg.	\$.85	\$.75	\$.65
117568	4-pin male PCB mtg, horiz. edge mtg.	.95	.85	.75
42076	4-pin male housing.	*	.19	.15
42068	4-pin female housing.	*	.19	.15
42730	Male crimp pin for 42076	*	.19	.15
42650	Female crimp pin for 42068	*	.15	.12

.100" – For 3.5" Disk Drives & Power Supplies

- Voltage rating: 250V AC, DC
- Insulation resistance: 1000MΩ min.
- Wire gauge: 22-26 AWG

* Order in multiples of 10

Part No.	Description	1	10	100
114931	4-pin female housing.	\$.35	\$.29	\$.25
114922	Female crimp pin for 114931	*	.19	.15
115000	4-pin male rt. angle PCB mounting.	.49	.45	.39

Milli-Grid™ Female Crimp Terminal

For 51110 Series Housings on left

- Lead free
- Contact material: phosphor bronze
- Plating contact: 0.38μm (15μ") gold
- Under plating: nickel



Order in multiples of 10

Part No.	Mfr. No.	AWG	10	100	500
668465	50394-8100	24-30 ..	\$.15	\$.12	\$.09

molex® Female Crimp Terminals

For above housings

- Contact material: phosphor bronze
- Plating contact: 0.9μm (35μ") tin
- Pre-plated

Order in multiples of 10

Part No.	Mfr. Part No.	AWG	10	100	500
668457	50079-8100	26-28 ..	\$.09	\$.08	\$.07
668473	50058-8100	28-32 ....	.09	.08	.07

Connector Extraction Tools



Part No.	Mfr. Part No.	AWG	Conn. Size	1	5
142156	W-HT-2285	14	.062" ...	\$14.95	\$12.95
227467	W-HT-2023	18-30	.062"	12.95	11.95
142236	W-HT-2038	14	.093"	14.95	12.95
227395	W-HT-2054	14-30	.093"	12.95	11.95
236128	W-HT-1884	22-30	.100"	10.95	9.49

* More Extraction Tools — Enter Web Code BAV



Extraction Tools for Crimp Terminals

- Quickly and easily extract .093" locking pins from interlocking connectors • Length: 5"



Part No.	Description	1	5
131887	Male tool for 42730, left	\$10.95	\$9.95
131879	Male tool for 42650, left	9.95	8.95

AMP MTA-100 .100" (2.54mm) IDC Connector

Closed-End Style w/o Polarizing Tabs with Locking Ramp

- Contacts: phosphor bronze, tin-plated
- Voltage rating: 250VAC
- Current rating: 5A

* Web Code: CCV



Order in multiples of 10

Part No.	Product No.	Pos.	AWG	Color	10	100	500
524710	640440-4	4	22	Red	\$.22	\$.19	\$.17

AMP T-Handle Tool

- For .100" (2.54mm) IDC connectors
- Slotted blade



Part No.	Mfr. P/N	Description	1	5
365974	59803-1	.100" hand tool	\$29.95	\$26.95



.100" & 2mm Shorting Blocks



- Mates to .025" square posts on .100" centers
- Shorts headers/jumper blocks or color code strip line plugs
- Mate with male headers, above
- Pin material: phosphor bronze

* Web Code: MAC

Open: Open on top to allow for a test point
Closed: Closed top

119264: 2mm (for disk drives) Order in multiples of 10

Part No.	Description	10	100	500
22024	Top open, black (.100")	\$.12	\$.09	\$.07
119264	Top open, black (2mm)	.12	.09	.07
112425	Top open, blue (.100")	.12	.09	.07
112417	Top open, red (.100")	.12	.09	.07
19141	Top closed, black (.100")	.12	.09	.07
112442	Top closed, blue (.100")	.12	.09	.07
112432	Top closed, red (.100")	.12	.09	.07
152671	Top closed, black tab (.100")	.15	.12	.09

* More IDC Connectors — Enter Web Code DCD

JAMECO PUZZLER

by Forrest M. Mims III

It's 2020, and the government has banned all incandescent car headlights. Instead, expensive LED headlights must be used. What are some ways for government agents to design a passive, automatic "headlight trap" sensor to accurately tell the difference between LED and banned incandescent headlights? The sensor should be small enough to be mounted on the dashboard of a law enforcement vehicle and easily carried by a miniature headlight enforcement aerial drone designed to cruise over highways at night.



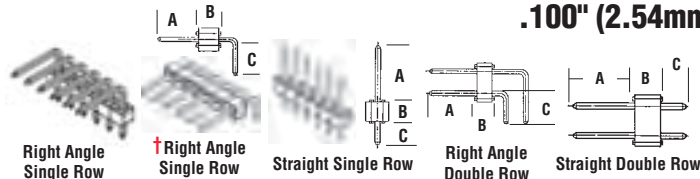
Go to www.Jameco.com/Headlight for the correct answer

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

NAME BRANDS	4 LEVELS OF SAVINGS	FACTORY OVERRUN	DOLLAR SALE
	HOUSE BRANDS		

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

.100" (2.54mm) Male Headers



Right Angle Single Row Male Headers

Part No.	Mfr.	Product No.	Pos.	Size (A"xB"xC")	Plating	1	10	100
2120305	OST	PN3-230/120-021W	2	.21 x .10 x .10	Gold	...	...	...
2076842	ValuePro	RMH5	5	.27 x .10 x .12	Gold	...	...	...
2076851	ValuePro	RMH6	6	.27 x .10 x .12	Gold	...	...	...
153728	ValuePro	RMH8	8	.27 x .10 x .12	Gold	...	...	...
2076869	ValuePro	RMH26	26	.27 x .10 x .12	Gold	...	...	...
103271	ValuePro	RMH36 (LP)	36	.23 x .10 x .12	Gold	...	...	...
1946041	ValuePro	RMH36AR (type A)	36	.27 x .10 x .22	Gold	...	...	...

† Low profile

Straight Single Row Male Headers

Part No.	Mfr.	Product No.	Pos.	Size (A"xB"xC")	Plating	1	10	100
2076797	ValuePro	SMH01	1	.23 x .10 x .12	Gold	...	...	...
2144884	ValuePro	SMH02	2	.23 x .10 x .12	Tin	...	...	...
108338	ValuePro	SMH02	2	.23 x .10 x .12	Gold	...	...	...
421489	AMP	103185-3	3	.23 x .09 x .12	Gold/Tin	...	...	...
109576	ValuePro	SMH03	3	.23 x .10 x .12	Gold	...	...	...
117560	ValuePro	SMH04	4	.23 x .10 x .12	Gold	...	...	...
2120276	OST	PHI-787/120-041	4	.78 x .10 x .12	Gold	...	...	...
2076789	ValuePro	SMH05	5	.23 x .10 x .12	Gold	...	...	...
153700	ValuePro	SMH06	6	.23 x .10 x .12	Gold	...	...	...
2076800	ValuePro	SMH07	7	.23 x .10 x .12	Gold	...	...	...
153702	ValuePro	SMH08	8	.23 x .10 x .12	Gold	...	...	...
2076818	ValuePro	SMH09	9	.23 x .10 x .12	Gold	...	...	...
103393	ValuePro	SMH10	10	.23 x .10 x .12	Gold	...	...	...
103377	ValuePro	SMH17	17	.23 x .10 x .12	Gold	...	...	...
103369	ValuePro	SMH20	20	.23 x .10 x .12	Gold	...	...	...
202825	ValuePro	SMH22	22	.23 x .10 x .12	Gold	...	...	...
103351	ValuePro	SMH25	25	.23 x .10 x .12	Gold	...	...	...
103342	ValuePro	SMH30	30	.23 x .10 x .12	Gold	...	...	...
222991	AMP	SMH32GT	32	.23 x .10 x .12	Gold/Tin	...	...	...
2076826	ValuePro	SMH34	34	.23 x .10 x .12	Gold	...	...	...
68339	ValuePro	SMH36	36	.23 x .10 x .12	Gold	...	...	...
160882	ValuePro	SMH40	40	.23 x .10 x .12	Gold	...	...	...
527654	AMP	4-102976-0	40	.32 x .09 x .12	Gold/Tin	...	...	...

*Dimension "A" has gold plating; dimension "C" has tin plating

Male Headers Grab Bag

Part No.	Cross Ref.	Description	Wt. (lbs.)	1	10
2095138	GB204	100 assorted .100" male headers (breakway) Straight, right angle, single and double row	0.3	...	...

molex

- Contact resistance: 20mΩ max.
- Dielectric withstanding voltage: 1500VAC
- Insulation resistance: 50kMΩ
- Voltage: 250V

Housing Material:

- Contact retention to housing: 8 lbs. min.
- Contact insertion force: 1.5 lbs. max.
- Housing: nylon, UL94V-0
- Operating temperature: 0 to 75°C



KK® Series .100" (2.54mm) Female Housings

Housing with Locking Ramp

Part No.	Mfr. Part No.	Pos.	1	10	100
234704	22-01-2027	2	...	...	...
234712	22-01-2037	3	...	...	...
234721	22-01-2047	4	...	...	...
234739	22-01-2057	5	...	...	...
234747	22-01-2067	6	...	...	...
234771	22-01-2107	10	...	...	...

Housing w/ Locking Ramp & Polarizing Ribs

Part No.	Mfr. Part No.	Pos.	1	10	100
234798	22-01-3027	2	...	...	...
234801	22-01-3037	3	...	...	...
234819	22-01-3047	4	...	...	...
234827	22-01-3057	5	...	...	...
234835	22-01-3067	6	...	...	...
234851	22-01-3087	8	...	...	...
234878	22-01-3107	10	...	...	...

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Right Angle Double Row Male Headers

- Position: 4 is 2 rows of 2; 12 is 2 rows of 6 (example)

Part No.	Mfr.	Product No.	Pos.	Size (A"xB"xC")	Plating	1	10	100
203917	ValuePro	923806DR	6	.23 x .10 x .12	Gold	...	...	...
203932	ValuePro	923810DR	10	.23 x .10 x .12	Gold	...	...	...
203959	ValuePro	923814DR	14	.23 x .10 x .12	Gold	...	...	...
203967	ValuePro	923816DR	16	.23 x .10 x .12	Gold	...	...	...
53576	ValuePro	923820DR	20	.23 x .10 x .12	Gold	...	...	...
53583	ValuePro	923826DR	26	.23 x .10 x .12	Gold	...	...	...
53605	ValuePro	923840DR	40	.23 x .10 x .12	Gold	...	...	...
53612	ValuePro	923850DR	50	.23 x .10 x .12	Gold	...	...	...
103413	ValuePro	923872DR	72	.23 x .10 x .12	Gold	...	...	...
139564	ValuePro	923880DR	80	.23 x .10 x .12	Gold	...	...	...

Straight Double Row Male Headers

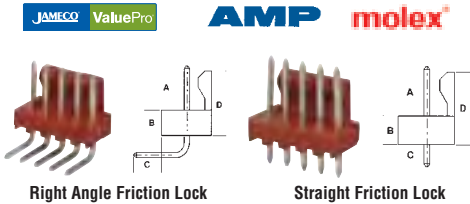
- Position: 4 is 2 rows of 2; 12 is 2 rows of 6 (example)

Part No.	Mfr.	Product No.	Pos.	Size (A"xB"xC")	Plating	1	10	100
115027	ValuePro	923804DS	4	.23 x .10 x .12	Gold	...	...	...
115035	ValuePro	923806DS	6	.23 x .10 x .12	Gold	...	...	...
15158	ValuePro	DMH06T-30	6	.30 x .10 x .12	Tin	...	...	...
15747	ValuePro	DMH06-30	6	.30 x .10 x .12	Gold	...	...	...
2135312	ValuePro	FCN-724P008-AU/W	8	.23 x .10 x .12	Gold/Tin	...	...	...
109517	ValuePro	7000-2x4SG	8	.23 x .10 x .12	Gold	...	...	...
67821	ValuePro	923810DS	10	.23 x .10 x .12	Gold/Tin	...	...	...
203810	ValuePro	923812DS	12	.23 x .10 x .12	Gold	...	...	...
118456	ValuePro	923814DS	14	.23 x .10 x .12	Gold	...	...	...
109568	ValuePro	923816DS	16	.23 x .10 x .12	Gold	...	...	...
2076877	Various	923818DS	18	.23 x .10 x .12	Gold	...	...	...
53480	ValuePro	923820DS	20	.23 x .10 x .12	Gold	...	...	...
203844	ValuePro	923824DS	24	.23 x .10 x .12	Gold	...	...	...
53495	ValuePro	923826DS	26	.23 x .10 x .12	Gold	...	...	...
2120292	OST	PH2-320/110-261	26	.30 x .10 x .12	Gold	...	...	...
203852	ValuePro	923828DS	28	.23 x .10 x .12	Gold	...	...	...
203861	ValuePro	923832DS	32	.23 x .10 x .12	Gold	...	...	...
53517	ValuePro	923834DS	34	.23 x .10 x .12	Gold	...	...	...
203888	ValuePro	923836DS	36	.23 x .10 x .12	Gold	...	...	...
203895	ValuePro	923838DS	38	.23 x .10 x .12	Gold	...	...	...
53532	ValuePro	923840DS	40	.23 x .10 x .12	Gold	...	...	...
53560	ValuePro	923850DS	50	.23 x .10 x .12	Gold	...	...	...
68574	ValuePro	923860DS	60	.23 x .10 x .12	Gold	...	...	...
103406	ValuePro	70002X36SG-R	72	.23 x .10 x .12	Gold	...	...	...
2120284	OST	PH2-230/135-805	80	.23 x .10 x .12	Tin	...	...	...
117197	ValuePro	923880DS	80	.23 x .10 x .12	Gold	...	...	...

Straight Triple Row Male Headers

Part No.	Mfr.	Product No.	Pos.	Size (A"xB"xC")	Plating	1	10	100
2076885	ValuePro	933812TS	12	.23 x .10 x .12	Gold	...	...	...
2076893	ValuePro	933824TS	36	.23 x .10 x .12	Gold	...	...	...

.100" (2.54mm) Friction Lock Headers



Right Angle Friction Lock Headers

Part No.	Mfr.	Product No.	Pos.	Size (A"xB"xC"xD")	Plating	1	10	100
233437	Molex	22-05-3021	2	.26 x .13 x .14 x .32	Tin	.....	.....	.....
233445	Molex	22-05-3031	3	.26 x .13 x .14 x .32	Tin	.....	.....	.....
233453	Molex	22-05-3041	4	.26 x .13 x .14 x .32	Tin	.....	.....	.....
233461	Molex	22-05-3051	5	.26 x .13 x .14 x .32	Tin	.....	.....	.....
233470	Molex	22-05-3061	6	.26 x .13 x .14 x .32	Tin	.....	.....	.....
348277	ValuePro	641216-6	6	.30 x .10 x .14 x .31	Gold	.....	.....	.....
348315	ValuePro	4-641216-0	10	.30 x .10 x .14 x .31	Gold	.....	.....	.....

molex® KK® Series .100" (2.54mm) Crimp Terminals

- Current: phosphor bronze – 4.0A max.; brass – 2.5A max.
- Insulation range: 0.062" (1.58mm) diameter max.
- Accommodates 22 to 30 AWG
- Material: NM736501/234923/234931: brass; 2120495/736595/462969/463005: phosphor bronze



Bulk Packaged

Part No.	Mfr.	Part No.	Plating	10	100	1000
736501	08-50-0113	Tin*	.....	.....	.....	.....
234923	08-50-0114	Tin	.....	.....	.....	.....
234931	08-55-0102	15µ" gold	.....	.....	.....	.....
736595	08-52-0123	Tin	.....	.....	.....	.....
462969	08-65-0805	Tin (cat ear)	.....	.....	.....	.....
2120495	2513T†	Tin (cat ear)	.....	.....	.....	.....
463005	08-65-0816	15µ" gold	.....	.....	.....	.....

*Cut tape packaging †Manufacturer: Jameco ValuePro

.100" (2.54mm) Pitch SL™ Wire-to-Board Crimp Housings



Version A, Non-polarized

Part No.	Mfr.	Part No.	Pos.	1	10	100
884301	50-57-9002	2	.....	.....	.....	.....

Version G, Positive Latch

Part No.	Mfr.	Part No.	Pos.	10	100
884328	50-57-9402	2	.....	.....	.....

Female Crimp Terminals

Part No.	Mfr.	Part No.	AWG	Plating	10	100
741685	16-02-0103	22-24	15µ" gold	.....	.....	.....
741677	16-02-0086	22-24	Tin	.....	.....	.....



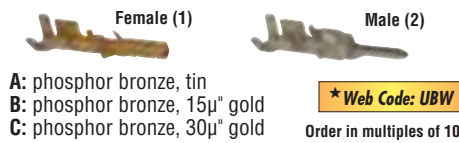
*Web Code: GBN

Straight Friction Lock Headers

Part No.	Mfr.	Product No.	Pos.	Size (A"xB"xC"xD")	Plating	1	10	100
232266	Molex	22-23-2021	2	.30 x .13 x .14 x .32	Tin	.....	.....	.....
613931	AMP	640456-2	2	.30 x .10 x .14 x .31	Tin	.....	.....	.....
233584	Molex	22-11-2022	2	.30 x .13 x .14 x .32	Gold	.....	.....	.....
879588	Molex	22-29-2021	2	.30 x .13 x .14 x .46	Gold	.....	.....	.....
232274	Molex	22-23-2031	3	.30 x .13 x .14 x .32	Tin	.....	.....	.....
879271	Molex	22-27-2031	3	.30 x .13 x .14 x .46	Tin	.....	.....	.....
233592	Molex	22-11-2032	3	.30 x .13 x .14 x .32	Gold	.....	.....	.....
232282	Molex	22-23-2041	4	.30 x .13 x .14 x .32	Tin	.....	.....	.....
348074	ValuePro	641215-4	4	.30 x .10 x .14 x .31	Gold	.....	.....	.....
232291	Molex	22-23-2051	5	.30 x .13 x .14 x .32	Tin	.....	.....	.....
348082	ValuePro	641215-5	5	.30 x .10 x .14 x .31	Gold	.....	.....	.....
232303	Molex	22-23-2061	6	.30 x .13 x .14 x .32	Tin	.....	.....	.....
232320	Molex	22-23-2081	8	.30 x .13 x .14 x .32	Tin	.....	.....	.....
348111	ValuePro	641215-8	8	.30 x .10 x .14 x .31	Gold	.....	.....	.....
687914	Leoco	2571P09V000	9	.30 x .13 x .14 x .32	Tin	.....	.....	.....
232346	Molex	22-23-2101	10	.30 x .13 x .14 x .32	Tin	.....	.....	.....

* Order in multiples of 10

.118" (3.00mm) Micro-Fit Crimp Terminals



- A: phosphor bronze, tin
- B: phosphor bronze, 15µ" gold
- C: phosphor bronze, 30µ" gold

*Web Code: UBW

Part No.	Mfr.	Product No.	Type	AWG	10	100
337720	ValuePro	43030-0007	1A	20-24	.....	.....
883093	Molex	43030-0007	1A	20-24	.....	.....
337738	ValuePro	43030-0009	1B	26-30	.....	.....
337746	ValuePro	43030-0010	1A	20-24	.....	.....
337762	ValuePro	43031-0007	2A	20-24	.....	.....
883253	Molex	43031-0009	2C	20-30	.....	.....
337789	ValuePro	43031-0010	2A	26-30	.....	.....

Order in multiples of 10

Hand Tools for Mini-Fit Jr.™



*Web Code: GBU

- 304928: Crimp tool wire range from 14-24 AWG, 8.5"L
- 304936: Extraction tool, 3.5"L
- 308030: Cuts & strips 14-24 AWG, 8.3"L
- 227491: Cuts & strips 18-30 AWG, 8.3"L

Part No.	Mfr.	Mfr. Part No.	1	5
304928	Molex	63811-1000	.....	.....
304936	Molex	11-03-0044	.....	.....
308030	GC/Waldom	W-HT-1919	.....	.....
227491	GC/Waldom	W-HT-1921	.....	.....

Tools for Micro-Fit Connectors



Part No.	Cross Ref. No.	Description	Length	1	5
338678	HT-225D	Crimp	8.25"	.....	.....
338669	11-03-0043	Extraction	3.0"	.....	.....

*More .156" Housings Online — Enter Web Code CRH

.156" (3.96mm) JST Type Crimp Terminal and Tool

Crimp Terminal

- 18-22 AWG • Female
- Tin-plated brass

Order in multiples of 10

Part No.	Mfr.	Cross Ref. No.	10	100
2124630	ValuePro	96T	.....	.....

JST Crimp Tool

Part No.	Mfr.	Cross Ref. No.	1	5
227491	GC/Waldom	W-HT-1921	.....	.....

.165" (4.19mm) Mini-Fit Jr.™ Type Terminals

- A: Tin over nickel over brass
- B: 15µ" gold over nickel over brass

*Web Code: CBX

Part No.	*Mfr.	Prod No.	Type	AWG	10	100	1000
401824	JVP	4257T2-LP	1A	18-24	.....	.....	.....
401701	JVP	4256T2-LP	2A	18-24	.....	.....	.....
365835	JVP	4256T3-G3	2B	16	.....	.....	.....
401859	JVP	4257T2-G15-LP	1B	18-24	.....	.....	.....
401736	JVP	4256T2-15GC	2B	18-24	.....	.....	.....
304725	MOL	39-00-0041	1A	18-24	.....	.....	.....
304733	MOL	39-00-0039	2A	18-24	.....	.....	.....
304872	MOL	39-00-0047	2A	22-28	.....	.....	.....

4000-Piece Reels

Part No.	*Mfr.	Prod No.	Type	AWG	Price/each
307985	MOL	39-00-0040	1A	18-24	.....
307993	MOL	39-00-0038	2A	18-24	.....

*JVP = Jameco ValuePro; MOL = Molex

*.165" Mini-Fit Jr. Connectors Online — Web Code MTC

CLOSEOUT SINGLE ROW .079" MALE HEADERS

Part No.	Description	Pins
2076914	Right angle	2
2076949	Right angle	10
2077087	Straight	3
2077116	Straight	10
2077124	Straight	14

10 pcs. only 99¢

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Headers & IDC Connectors

4 LEVELS OF SAVINGS			
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE

.156" (3.96mm) Headers, Housings and Crimp Terminals



JAMECO ValuePro



Fig. 1



Fig. 2

- Wire-to-board applications
- End-to-end stackable styles
- Insulator: polyester, UL 94V-0
- Housing: nylon, UL 94V-0

* Web Code: HHT

Headers

* Order in multiples of 10

Straight Friction Lock – Brass/Tin (Fig. 1)

Part No.	Mfr.	Product No.	Pos.	1	10	100
879861	Molex	26-60-4020	2	.....	.....	.....
231546	AMP	640445-2	2	.....	.....	.....
879887	Molex	26-60-4030	3	.....	.....	.....
104792	ValuePro	LMH4	4	.....	.....	.....
879941	Molex	26-60-4060	6	.....	.....	.....

Housings

With Locking Ramp (Fig. 2)

* Order in multiples of 10

Part No.	Mfr.	Product No.	Pos.	1	10	100
463435	Molex	09-50-3031	3	.....	.....	.....
104433	ValuePro	7900F-3	3	.....	.....	.....
463443	Molex	09-50-3041	4	.....	.....	.....
236161	AMP	640250-4	4	.....	.....	.....
104716	ValuePro	7900F-4	4	.....	.....	.....
104732	ValuePro	7900F-6	6	.....	.....	.....
104766	ValuePro	7900F-10	10	.....	.....	.....

Use with crimp pin 78319, below

Crimp Terminals

- Plating: A: brass/tin;
B: phosphor bronze/tin

* Order in multiples of 10

Part No.	Mfr.	Product No.	Plating	AWG	10	100
736544	Molex	08-50-0189	A	18-20	.....	.....
736561	Molex	08-52-0072	B	18-20	.....	.....
736587	Molex	08-52-0113	A	18-20	.....	.....
736481	Molex	08-50-0106	A	18-24	.....	.....
1960687	Molex	08-70-1031	A	18-24	.....	.....
248866	AMP	640706-1	A	18-24	.....	.....
248874	AMP	640706-2	A	18-24	.....	.....
248903	AMP	770522-1	B	18-24	.....	.....
78319	ValuePro	JS-5001-T	A	18-24	.....	.....

† Trifurcon * Cat ear \$ Cut tape

.100" (2.54mm) Straight Male Headers

* Web Code: VAQ

Double Row w/ Standard Latch

- 0.1" contact center
- Mount vertical
- Keying slot
- Use w/ IDC socket connectors, below



71830

* Order in multiples of 10

Part No.	Mfr.	Pins	1	10	100
117664	ValuePro	10-pin	.....	.....	.....
71830	ValuePro	20-pin	.....	.....	.....
71933	ValuePro	26-pin	.....	.....	.....
1928177	On Shore	34-pin	.....	.....	.....
1928185	On Shore	34-pin	.....	.....	.....
72216	ValuePro	50-pin	.....	.....	.....

† Right angle

.100" (2.54mm) Keyed Shrouded Headers & Connectors

JAMECO ValuePro

* Web Code: XAW

CD-ROM 4-Pin

- Low profile
- Voltage rating: 250VAC/DC
- Current rating: 3A AC/DC
- Insulation res.: 1000MΩ min.
- Pin material: tin-plated brass
- Connector material: PBT, 30% glass
- Header material: PBT + 30% glass
- Withstanding volt.: 1000VAC/1 min.
- Recommend crimp tool P/N 99443, pg 141

152741

152726

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Part No.	Description	1	10	100
152741	Straight header
152726	Rt. angle header
152734	Single w/ latch	.....	.....	.....
181673	Female pins	.....	.....	.....

† P/N 152734 requires 4 pins (P/N 181673)

JAMECO ValuePro

.100" (2.54mm) Female Header Receptacles



Right Angle



Straight

- Gold-plated contacts

* Web Code: RAH

Double Row Right Angle (Side Entry)

Part No.	Mfr.	Contacts	1	10	100
71159	ValuePro	20	.....	.....	.....

Single Row Straight (Top Entry)

2144614	Adam Tech	6*	.....	.....	.....
2144631	Adam Tech	8*	.....	.....	.....
70755	ValuePro	8	.....	.....	.....
2133456	ValuePro	10	.....	.....	.....
200783	ValuePro	12	.....	.....	.....
308592	ValuePro	16	.....	.....	.....
308567	ValuePro	20	.....	.....	.....

* 15mm long square leads

Double Row Straight (Top Entry)

70721	ValuePro	16	.....	.....	.....
70827	ValuePro	20	.....	.....	.....
105057	ValuePro	30	.....	.....	.....
163862	ValuePro	34†	.....	.....	.....
111705	ValuePro	40	.....	.....	.....
2134395	ValuePro	40	.....	.....	.....

† Tin-plated # Wire wrap leads (.475" long)

.100" (2.54mm) Low Profile Male Shrouded Headers

Straight Double Row

- Rating: 1A (max.) @ 250VDC
- Contact resistance: 15mΩ max.
- Contact: phosphor bronze, gold plated
- Features: UL recognized CSA certified; 0.025" square post mates with sockets on 0.100" x 0.100" grid
- Use with IDC socket connectors, right

68180

* Web Code: JAH

Part No.	Cross Ref. No.	Pos.	1	10	100
68182	7110-10SG	10	.....	.....	.....
2100304	7110-14SG	14	.....	.....	.....
68180	7110-16SG	16	.....	.....	.....
68292	7110-20SG	20	.....	.....	.....
68372	7110-26SG	26	.....	.....	.....
68583	7110-34SG	34	.....	.....	.....
181105	7110-40SG	40	.....	.....	.....
2100312	7110-50SG	50	.....	.....	.....

.100" (2.54mm) & .079" (2mm) IDC Socket Connectors

JAMECO ValuePro

Double Row

- Current rating: 1A
- Mates with 2 rows of .025" sq. or dia. posts on patterns of .100" centers (male headers, pg 62)
- Contact material: phosphor bronze w/ 1μ" gold flash on mating area, tin plated on termination area
- Industry standard IDC socket (plastic)
- Temp. rating: -55°C to +105°C
- Use crimping P/N 73252, below
- Include strain relief



32564

* Web Code: QAE

JAMECO EXCLUSIVE

Polarized

* Order in multiples of 10

Part No.	Cross Ref. No.	Contacts	1	10	100
32492	8000-10	10	.....	.....	.....
153948	8000-14	14	.....	.....	.....
119467	8000-16	16	.....	.....	.....
32522	8000-20	20	.....	.....	.....
32564	8000-26	26	.....	.....	.....
32644	8000-34	34	.....	.....	.....
32679	8000-40	40	.....	.....	.....
32708	8000-50	50	.....	.....	.....

Non-Polarized

138376	8000-10NE	10	.....	.....	.....
138325	8000-20NE	20	.....	.....	.....
138333	8000-26NE	26	.....	.....	.....
138341	8000-34NE	34	.....	.....	.....
138350	8000-40NE	40	.....	.....	.....

IDC Connector Crimping Tools

- Use for IDC socket connectors
- Crimping distance: 27.5mm to 6mm (with attachment)
- Size: 9.2"L x 3.0"W
- Weight: 1.1 lbs.

2156033

2156033: Dual slot attachment included

Part No.	Mfr. Part No.	1	10	25
73252	HT-214	.....	.....	.....
2156033	HT-214D	.....	.....	.....

Arbor Press, IDC Kit and Cable Cutter

2082601: 502 Arbor Press

- Precision 1/4 ton (227kg) pressure
- 4 adjustable nylon gibs provide exceptional arm control
- Base footprint: 3.7" x 7" with 4 counter sunk holes
- 8" arm

2082601

2082610: 506 IDC Kit

- For low volume mass termination (up to 64-pin conductor wire) of various IDC connectors on ribbon cables
- For independent repair technicians and in-house service



2082610

27182: 507 Cable Cutter

- Perfect right angle cut
- Accommodates up to 68-pin, 14 AWG, 3.22"W flat ribbon cable
- Spring loaded blade arm



27182

Part No.	Mfr. P/N	Description	1	5
2082601	502 ³	Arbor press	\$174.95	\$159.95
2082610	506 ³	IDC kit	59.95	53.95
27182	507 ³	Cable cutter	67.95	60.95
27203	510 ³	Base plate	29.95	27.95

.100" (2.54mm) IDC Ribbon Connectors

Center and Military Polarized Receptacles

- Accepts 28-26AWG solid or stranded cables
- Contact current rating: 1A continuous
- Housing, cover: 94V-0 rated thermoplastic, black
- Contacts: phosphor bronze, duplex plating

Contact Plating:

- AMP 3M**
- A: 30µ" gold, 50µ" min. tin
 B: 15µ" gold, 100µ"-200µ" tin
 C: 15µ" gold, 100-200µ" tin lead, all over 50µ" min. nickel
 D: 30µ" gold, 100-200µ" bright tin lead, all over 50µ" nickel



* Web Code: RDM



Part No.	Mfr.	Mfr. Part No.	Pos.	Plating	1	10	100
901642	AMP	1658622-1	10	A	\$1.49	\$1.35	\$1.19
525309	AMP	746285-1	10	C	1.25	1.09	.99
742215	AMP	1658621-1	10	B	1.09	.95	.85
1578082	3M	89110-0101	10	A	.99	.89	.79
525317	AMP	746285-2	14	C	1.49	1.25	.95
525325	AMP	746285-3	16	C	1.59	1.39	1.15
1578111	3M	89116-0101	16	A	.95	.85	.75
525333	AMP	746285-4	20	C	1.65	1.55	1.39
525413	AMP	746288-6	26	D	1.75	1.49	1.25
525350	AMP	746285-8	34	C	1.95	1.75	1.49
525368	AMP	746285-9	40	C	1.95	1.75	1.55
525376	AMP	1-746288-0	50	D	2.95	2.59	2.39

Strain Relief for NOVO Receptacles

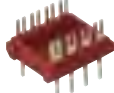
Order in multiples of 10

Part No.	Mfr.	Mfr. Part No.	Pos.	10	100
526045	AMP	499252-5	10		\$.25 \$.22

RAIES DIP Headers * Web Code: XBS

Series 600 Headers w/ Coined Contacts

- Standard cover/body material is red UL 94-HB glass filled nylon
- High temperature cover/body material is black UL 94V-0 4/6 nylon
- Contact plating: 100µ" min., tin
- Contact rating: 2A
- Operating temperature: 221°F (105°C) max.
- Fork contacts: accept up to .025" (.64mm) dia. leads



Part No.	Mfr.	Part No.	Pos.	Width*	1	10	100
291120		08-600-10	8	0.3"	\$1.29	\$1.15	\$.99
291312		14-600-10	14	0.3"	1.39	1.29	1.19
291574		16-600-10	16	0.3"	1.79	1.65	1.45
291996		24-600-10	24	0.6"	2.25	2.09	1.95

* Center to center pin width

CA .100" DIP Header Plugs

- Gold-plated leads
- Header plugs: keyed corner to indicate pin 1
- U-shaped pin termination for easy component attachment
- Lead length: 0.188" • 0.1" spacing between leads



Part No.	Mfr.	Part No.	Pins	Width	1	10	100
104337		08P-2	8	0.3"	\$1.09	\$.99	\$.89
37130		14P-2	14	0.3"	.99	.89	.79
37331		16P-2	16	0.3"	2.95	2.75	2.49



.100" IDC DIP Flat Cable Plugs

- Mates with standard 14, 16, 20, 24, 26, 28 & 40-pin DIP sockets with 0.1" spacing
- Uses 28 AWG flat ribbon cable, pg 51
- Plastic with gold-plated contacts
- Current rating: 1A



* Web Code: KEF

Part No.	Cross Ref.	Width	Contacts	1	10	100
42658	8200-14	0.3"	14	\$.49	\$.45	\$.39
42674	8200-16	0.3"	16	.59	.55	.49
104097	8200-20	0.3"	20	.69	.59	.55
42691	8200-24	0.6"	24	.79	.69	.59
99670	8200-28	0.6"	28	.89	.79	.69
42712	8200-40	0.6"	40	.99	.89	.79



.100" IDC Plug Connector

Double Row

- Shrouded header without mounting ears
- Plastic
- Contact: gold-plated phosphor bronze
- Use with IDC socket for connectors, pg 64



Part No.	Cross Ref.	Contacts	1	10	100
29217	8400-50	50	\$.75	\$.69	\$.65



IDC Centronics Connector

- Contact material: gold plated phosphor bronze; plastic casing
- Current rating: 1 amp
- Temp. rating: -55°C to +105°C
- Use 73252 IDC crimping tool, pg 64



* Web Code: VAJ

Part No.	Description	1	10	100
13849	36-pin male	\$1.25	\$1.09	\$.99

* Keyboard Adapters Online — Enter Web Code RAV

PC Card-Edge Connectors

- Fits all PC boards • 0.054" to 0.070" thick

Solder Tail 0.100" Spacing Between Rows

- Contact centers: 0.100" (2.54mm)
- Without mounting ears
- Gold flash contact area, tin/lead on solder posts



Part No.	Mfr.	Positions	1	10	100
2133536	AMP/Tyco	30/60	\$1.95	\$1.75	\$1.49

Solder Tail 0.200" Spacing Between Rows

- Contact centers: 0.200"
- No mounting ears • Tin



Part No.	Mfr.	Positions	1	10	100
40694	ValuePro	31/62 (PC/AT)	\$.39	\$.35	\$.29
1945049	ValuePro	50/100	.49	.35	.29

* Card Edge Connectors Online — Enter Web Code XEE

DOLLAR SALE: .100" STRAIN RELIEF COVERS

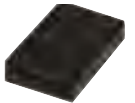
Part No.	Description	Pins
326043	Closed end	5
326051	Closed end	6
326086	Closed end	9
326107	Feed thru	2
326158	Feed thru	7
326174	Feed thru	9
326182	Feed thru	10

10 pcs. only 99¢

AMP MODU™ .100" (2.54mm) Receptacle Housing & Contacts

Single Row, Non-Polarized, Crimp Snap-In (MOD IV)

- No PC with UMN
- Black thermoplastic, flame retardant



Part No.	Mfr.	Part No.	Pos.	Width	1	10	100
526871		87499-3	2	0.205"	\$.79	\$.75	\$.69
526889		87499-5	3	0.305"	.95	.85	.75

Standard Pressure Receptacle Contacts (MOD IV)

- Material: phosphor bronze
- No PC with UMN
- Plating:



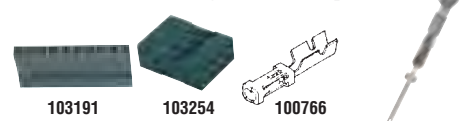
- 527419: 50µ" gold flash over nickel, 30µ" gold in contact area
- 527486: 15µ" gold in contact area, 100µ" – 200µ" bright tin lead, all over 50µ" nickel
- 895844: Short point; 22-26 AWG; 50µ" nickel entire area; 15µ" gold in contact area

* Order in multiples of 10

Part No.	Mfr.	Part No.	1	10	100
527419		1-87523-6	\$.39	\$.35	\$.29
527486		87523-6	*	.19	.15
895844		104480-3	*	.15	.12



.100" (2.54mm) Non-Polarized Connector Housings & Crimp Pins



- Mates with 0.025" square post on pattern of 0.100" centers (male headers, pg 62)
- Current rating: 1A • Housing material: plastic
- Pin material: brass/tin plated • 26-22 AWG
- Temp. rating: -55°C to +105°C
- Use crimper P/N 159266, pg 141

* Web Code: YAL

Single Row

* Order in multiples of 10

Part No.	Cross Ref. No.	Contacts	1	10	100
100812	SCH2	2	\$.19	\$.15	
157383	SCH3	3	.35	.29	.25
100803	SCH4	4	.35	.29	.25
163686	SCH5	5	.39	.35	.29
103212	SCH6	6	.45	.39	.35
103203	SCH8	8	.49	.45	.39
103191	SCH10	10	.55	.49	.45
103182	SCH20	20	.59	.55	.49
103158	SCH36	36	.65	.59	.55

Double Row

* Web Code: SAM

Part No.	Cross Ref. No.	Contacts	1	10	100
103254	DCH8	8	\$.49	\$.45	\$.39
157421	DCH10	10	.55	.49	.45
157438	DCH14	14	.55	.49	.45
103238	DCH16	16	.55	.49	.45
103230	DCH20	20	.59	.55	.49

Crimp Pins for Single/Double Row Housings

- Order in multiples of 10

* Web Code: XAL

Part No.	Cross Ref. No.	Description	10	100	500
100766	FCH1	Female pin	\$.19	\$.15	\$.12
145358	MCH1	Male pin	.19	.15	.12

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

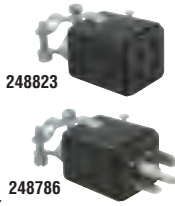
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Order by phone 24/7 at 1-800-831-4242 or online at www.Jameco.com

Jones Plugs and Sockets

Series 300 Multiple-Density Solder-Eyelet Connectors

- Insulation material: molded monoblock, black phenolic
- Contact material: plug – brass; socket – phosphor bronze
- Contact plating: cadmium
- Current rating: 10 amps
- Operating voltage: 250VAC max.
- Contact resistance: 16mΩ max.
- Hood material: UL 94V-0 rated thermoplastic



Sockets with Hood and 180° Clamp

*Web Code: WBP

Part No.	Mfr. Part No.	Contacts	1	10
248807	S-302H-CCT	2	\$3.49	\$3.09
248823	S-304H-CCT	4	3.95	3.65
248831	S-306H-CCT	6	4.95	4.75

Plugs with Hood and 180° Clamp

Part No.	Mfr. Part No.	Contacts	1	10
248760	P-302H-CCT	2	\$3.35	\$2.95
248786	P-304H-CCT	4	4.25	3.95
248794	P-306H-CCT	6	4.49	4.25

Mini DIN & DIN Panel Mount Female Sockets

- With solder lugs
- Metal body

*Web Code: FAB



Part No.	Cross Ref. No.	Description	1	10	100
2076754	MDPM5	5-pin mini DIN	.35	.29	.25
2076762	MDPM6	6-pin mini DIN	1.39	1.25	.99
2076771	MDPM8	8-pin mini DIN	.49	.45	.39
15844	DINJ5	5-pin DIN	.99	.79	.69
15852	DINJ6	6-pin DIN	1.15	.95	.85
15861	DINJ8	8-pin DIN	1.29	.99	.89

DIN Connector Cables

The sockets need to fit with the right cables. Check out all the available DIN cables on page 161, or visit www.Jameco.com.

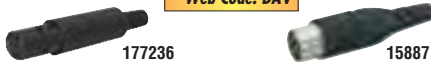
*Web Code: HAE



Part No.	Description	1	10	100
174772	6', 6-pin mini DIN male to male	\$2.95	\$2.49	\$1.95
111053	10', 6-pin mini DIN male to female	4.95	4.49	3.95

Mini-DIN & DIN Plugs & Receptacles

*Web Code: DAV



- Solder barrels w/ strain relief
- See pg 50 for cable

JAMECO EXCLUSIVE

Part No.	Pins	Type	1	10	100
142262	6	Mini DIN plug	.95	.85	.75
111878	8	Mini DIN plug	.99	.89	.75
177236	8	Mini DIN receptacle	.99	.89	.75
15879	5	DIN plug	.59	.49	.39
180873	5	DIN receptacle	.69	.55	.49
15887	6	DIN plug	.69	.55	.49
15895	8	DIN plug	.75	.59	.55

Mini-DIN & DIN PC Mount Female Sockets



- Set back: 0.5"

29399: Plastic body

119475: Plastic/metal body

*Web Code: DMS

Unshielded (DIN) – Right Angle

Part No.	Product No.	Description	1	10	100
29399	RD5	5-pin DIN	.75	.65	.49

Shielded (Mini DIN & DIN) – Right Angle

Part No.	Product No.	Description	1	10	100
140791	MDR4S	4-pin mini DIN	...	...	...
2125819	MXS4 (SMT)	4-pin mini DIN	...	...	...
2076720	MDR5S	5-pin mini DIN	...	...	...
119475	MDR6S	6-pin mini DIN	.89	.79	.69
2144796	84376-1	6-pin mini DIN	1.75	1.49	1.25
207722	MDR8S	8-pin mini DIN	.55	.49	.45
2076746	MDR9S	9-pin mini DIN	.39	.35	.29

*Dual stacked 6-pin mini DIN

D-Sub 9-Pin to 25-Pin Serial Adapters

- For use in AT or other computer systems that have 9-pin D-sub serial ports

664296: Thumbscrews on both sides

10321: For PC/XT systems with DB25 serial ports.

163740/153576: For PC/XT systems with DB25 serial ports.



*Web Code: AAA

Part No.	Description	1	10	100
10305	DB9 F to DB25 M	\$2.95	\$2.49	\$1.95
664296	DB9 M to DB25 M	.75	.69	.65
10321	DB9 M to DB25 F	3.49	3.15	2.85
163740	DB9 M to DB25 F, thumbscrews on DB9 side only	.99	.89	.75
153576	DB9 M to DB25 F, thumbscrews on DB25 side only	1.49	1.35	1.19

USB 2.0 CABLES

High transfer rate up to 480Mbps and backwards compatible w/ USB 1.1 products. See pages 161-163 for more Computer Cables.

Part No.	Description	Length	Price
229711	USB-A M to USB-B M	3'	\$1.95
229730	USB-A M to USB-B M	6'	2.95
222010	USB-A M to USB-B M	6'	2.09
673694	USB-A M to USB-mini 5-pin	6'	2.75
2081481	USB-A M to USB-mini 5-pin	5.5'	2.25

Displayport Receptacles

Displayport receptacles are royalty free products that can be used in any application where an HDMI connection was previously required.

- 15μ gold plating

*Web Code: DPP

Part No.	Mfr. Part No.	Description	Type	Mounting Style	1	5	100
2114212	DPC-F-S-RA-SMT-P-15	Displayport, receptacle, right angle	SMT	Surface mount	\$1.95	\$1.75	\$1.49
2114247	MDPC-S-RA	Mini displayport, receptacle, right angle	DIP	Through hole	1.75	1.49	1.25



Slim-Line D-Sub Gender Changers



For Confined Applications!

*Web Code: YAB

These revolutionary slim-line gender changers are only 0.69" wide, eliminating the space problems caused by standard gender changers. When plugged into your existing cable, they add only 0.44" to the cable. All-metal cases.

- Captive locking screw (male)
- Tin plated shells
- Captive locking nut (female)
- Grounding tangs (male)

Part No.	Description	1	10	100
18498	9-pin male to male	\$2.49	\$2.25	\$1.95
18489	9-pin female to female	2.49	2.25	1.95
2138601	9-pin male to female	2.49	2.25	1.95
119320	15-pin female to female HD	2.75	2.49	2.25
119301	15-pin male to male HD	2.75	2.49	2.25
18447	25-pin male to male	2.95	2.65	2.39
18420	25-pin female to female	2.95	2.65	2.39
170085	25-pin male to female (pass thru)	2.95	2.65	2.39

Computer Card Brackets

- For securing cards into bus slots
- Fits PC/XT/AT cases
- Length: 4.75"
- See pg 58 for DB connectors



Part No.	Description	1	10	100
11755	Blank back panel	\$1.39	\$1.25	\$1.09
101733	For DB25 connector	.29	.25	.19
101831	For DB9/DB25 conn.	.79	.75	.65

PS/2 – USB Adapter

This adapter allows you to use your PS/2 compatible mouse and keyboard as USB compatible devices.

- USB - A Male to two PS/2 female connectors
- Color coded PS/2 connectors for keyboard & mouse



Part No.	Length	Housing	1	5	25
645351	13"	USB adapter	\$9.95	\$8.95	\$7.95

Panel Bracket Cable Assemblies

- Standard back panel bracket
- Length: 12"
- Ribbon cable with header connector

*Web Code: RAX

355688: 1 serial port

1952265/149623:

1 parallel port



Part No.	Description	1	10	100
355688	DB9M to 10-pin header F	\$1.49	\$1.35	\$1.19
1952265	DB9F to 10-pin header F	1.49	1.35	1.19
149623	DB25F to 26-pin header F	3.95	3.59	3.25

USB-A & B Connectors

★ Web Code: DAZ

1.0 & 2.0 Female Connectors

USB connections have become a standard communication interface on all the new electronics. Don't let your project and older electronics get left behind. Simply add a USB port with these connectors.

- PC mount with board locks

Part No.	Mfr.	Product No.	Description	1	10	100
2096181	Adamtech	USB-A-S-RA	USB-A, right angle	\$.49	\$.45	\$.39
2097011	Adamtech	USB-A-S-VT	USB-A, vertical	.49	.45	.39
161024	ValuePro	1040	USB-A 1.0	.99	.89	.79
2076551	KobiConn	UAR64-8W2100	USB-A 2.0, dual port	.75	.69	.39
2096261	Adamtech	MUSB-B5-S-RA-SMT	Mini USB-B, right angle, surface mount	.99	.89	.79
2096245	Adamtech	USB-B-S-RA	USB-B, right angle	.39	.35	.29
230958	ValuePro	USB-B-S-RA-WT	USB-A 2.0, right angle, white insulator	1.09	.99	.89



RF Adapters

★ Web Code: RFS



Part No.	Manufacturer	Product No.	Description	1	10	50
153454	ValuePro	SB-321	SMA female to BNC male	\$2.75	\$2.49	\$2.25
159469	ValuePro	CH-7830-N	SMA female to BNC female	3.25	2.95	2.59
153593	ValuePro	4288	SMA male to BNC male	3.49	3.19	2.89
159477	ValuePro	CH-7820-N	SMA male to BNC female	4.25	3.95	3.55
1951721	Amphenol Connex	242141	SMA jack to MMCX plug	7.95	6.95	5.95
207168	ValuePro	BJ-7072	RCA female to BNC female	1.95	1.75	1.49
114789	ValuePro	BR312	RCA female to BNC male	1.89	1.65	1.49
207176	ValuePro	BJ-7055	RCA male to BNC male	2.49	2.25	1.09
114753	ValuePro	RB312	RCA male to BNC female	1.89	1.65	1.49
114770	ValuePro	200-108	BNC female to F connector male	1.65	1.49	1.35
174255	ValuePro	TBC-176	BNC male to F connector female	1.95	1.75	1.49

50Ω MMCX Connector

Part No.	Manufacturer	Cross Ref. No.	Description	1	10	50
311693	ValuePro	908-43300	Right angle plug, crimp (RG-174/188/316)	\$.99	\$.89	\$.79

UHF Adapter

★ Web Code: UCA

Part No.	Manufacturer	Mfr. Part No.	Description	1	10	50
668377	Amphenol Connex	182106	PL-259 straight adapter, nickel finish, phenolic insulator	\$3.95	\$3.55	\$3.19

50Ω Type N Connector

★ Web Code: TNC

Part No.	Manufacturer	Product No.	Description	1	10	50
659294	Amphenol Connex	172123	Jack-to-jack adapter	\$3.95	\$3.55	\$3.19

* Use crimp tool 667921, pg 69

75Ω "F" Connectors & Adapters

★ Web Code: FCA

* Order in multiples of 10

Part No.	Manufacturer	Product No.	Description	1	10	50
2132277	Amphenol Connex	531-40035-1006	F-right angle vertical board mount	\$.59	\$.49	\$.39
291725	ValuePro	200-051	F-jack to jack (gold)	.59	.49	.39
295371	ValuePro	200-053	F-panel mount jack to jack (nickel)	*	.19	.15
295380	ValuePro	200-107	F-right angle jack to plug (nickel)	1.95	1.75	1.59
1952943	Foxconn	200-190	F-right angle PC mount jack (90° barrel)	.39	.35	.29
289887	ValuePro	200-035	F-crimp on for RG-6, nickel plated	.39	.35	.29
2099737	ValuePro	25-7010	F-crimp on plug for RG-6, nickel plated, 2 pcs. w/o center pin	.25	.19	.15

50Ω/75Ω BNC Connectors and Adapters

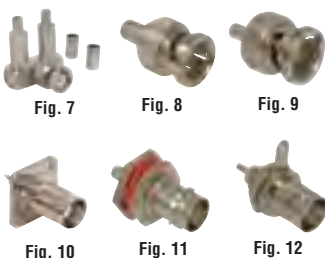
★ Web Code: BCP

Part No.	Manufacturer	Product No.	Fig.	Description	1	10	50
355099	ValuePro	31-2	1	50Ω plug, clamp, for RG-58/141/142/400 (UG-88/U)	\$.99	\$.89	\$.79
355135	ValuePro	31-212	1	50Ω/75Ω plug, clamp, for RG-59/62/140/302	.99	.89	.79
311378	ValuePro	31-315	2	50Ω plug, 3 pcs, crimp, for RG-174; 188/U	1.95	1.75	1.49
188349	Amphenol RF	31-315-RFX	3	50Ω plug, 3 pcs, crimp, for RG-174/U; 188A/U; 316/U	2.49	2.25	1.99
188306	Amphenol RF	31-320-RFX	3	50Ω plug, 3 pcs, crimp, for RG-58/58C/141/B7806A	2.25	1.99	1.75
71781	ValuePro	200-142	4	75Ω plug, twist-on, for RG-59	1.39	1.25	1.09
71271	ValuePro	200-143	3	75Ω plug, 3 pcs, crimp, for RG-59	1.25	1.09	.99
71482	ValuePro	200-145	3	50Ω plug, 3 pcs, crimp, for RG-58	1.75	1.55	1.39
355362	ValuePro	6775	5	50Ω plug, clamp, for RG-8/9/87A/213/214/225	1.49	1.25	1.09
295953	Amphenol Connex	112116	6	50Ω crimp plug, captive contact, for RG-58/58A/58C/141/303	1.95	1.75	1.59
296008	Amphenol Connex	112132	6	50Ω crimp plug, captive contact, for RG-174/188A/316/B7805A	2.49	2.25	1.95

Continued on next page

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Figure 1-6 images on previous page



50Ω/75Ω BNC Connectors and Adapters (Continued)

Plugs (Continued)

					★ Web Code: BCP		
Part No.	Manufacturer	Product No.	Fig.	Description	1	10	50
311327	ValuePro	69475	5	50Ω/75Ω plug, clamp, for RG-174/179/187/188/316	\$.75	\$.69	\$.65
207183	ValuePro	BJ-70941	7	50Ω/75Ω male clamp-on, for RG-58/59	.59	.49	.39
112110	ValuePro	G7409	3	50Ω male with pin and ferrule, for RG-174	1.75	1.49	1.25
311538	ValuePro	31-71000-RFX	8	75Ω plug, 3 pcs, crimp, for RG-6/212; Belden 9290/89248	.99	.89	.79
311554	ValuePro	31-71013-RFX	9	75Ω plug, 3 pcs, crimp, for RG-179/179B/187A; Belden 9221	.79	.69	.59
295970	Amphenol Connex	112119	6	75Ω crimp plug, captive contact, for RG-59/62/140/210	1.25	1.09	.99
296016	Amphenol Connex	112133	6	75Ω crimp plug, captive contact, for RG-179/187/B9221	.59	.49	.39

* Use crimp tool 667850, pg 69

Jacks

					★ Web Code: BCJ		
Part No.	Manufacturer	Product No.	Fig.	Description	1	10	50
355120	ValuePro	31-203	10	50Ω jack, panel mount, solder cup	\$1.95	\$1.75	\$1.59
355224	ValuePro	31-318-RFX	11	50Ω bulkhead jack, crimp, for RG-174/U; 188A/U; 316/U	.99	.89	.79
355178	ValuePro	31-221	12	50Ω jack, panel mount, solder cup (UG-1094/U)	2.25	1.95	1.75
223511	Amphenol RF	31-221	13	50Ω jack, panel mount, solder cup	3.39	3.19	2.95
658427	Amphenol Connex	112424	14	50Ω bulkhead jack, solder terminal	2.49	2.25	1.95
296067	Amphenol Connex	112431	15	50Ω bulkhead jack, isolated, solder terminal	4.49	3.95	3.49
658380	Amphenol Connex	112505	16	50Ω bulkhead jack, crimp, for RG-55/U; 142A/U; 223/U; 400/U	.99	.89	.79
493917	AMP	227161-3	17	50Ω jack, right angle, PCB	2.25	1.95	1.75
421331	AMP	227726-3	18	50Ω jack, isolated, solder	2.95	2.75	2.49
111561	ValuePro	200-148	19	Jack, isolated, panel mount	2.49	2.25	1.95
160929	ValuePro	B211F-58	20	Jack, crimp type, for RG-58	1.75	1.49	1.25
161922	ValuePro	B211F-174	20	Jack, crimp type, for RG-174	.99	.89	.79
2077618	ValuePro	BNC-CR	21	Jack, chassis PCB receptacle	.35	.29	.25
146511	ValuePro	CH-7044S	22	Jack, right angle, plastic insulation, PC mount, w/ washer & nut	2.49	2.25	1.95
2135646	Bomar	SPX44202	23	Jack, straight, PC mount (gold)	.79	.69	.59
161656	ValuePro	CH-7087D	24	Jack, right angle, metal, PC mount	1.49	1.25	1.09
71590	ValuePro	G1B235	25	Jack, panel mount (UG-1094A)	1.95	1.75	1.49
1952821	Foxconn	KDA1001-H0	26	Jack, right angle, plastic insulation, PC mount	.79	.69	.59
174290	ValuePro	TBC-090	22	Jack, chassis mount	1.75	1.59	1.39

Adapters/Couplers

					★ Web Code: BCC		
Part No.	Manufacturer	Product No.	Fig.	Description	1	10	50
188429	Amphenol RF	31-208-RFX	27	Jack-plug-jack	\$2.49	\$2.25	\$1.95
363961	ValuePro	31-218	28	50Ω straight adapter, plug-plug (UG-491A/U)	3.95	3.59	3.19
188411	Amphenol RF	31-219-RFX	29	50Ω straight adapter, jack-jack	4.49	4.29	3.95
355152	ValuePro	31-219-RFX	29	50Ω straight adapter, jack-jack (UG-914/U)	2.95	2.65	2.39
311351	ValuePro	31-220N-RFX	30	50Ω bulkhead adapter, jack-jack	3.25	2.95	2.75
72629	ValuePro	200-150	31	Female to female/female T-adapter	2.25	1.95	1.75
118594	ValuePro	200-155	32	Male to female/female T-adapter	2.19	1.95	1.75
71909	ValuePro	200-160	33	Female/female coupler (UG-914)	1.49	1.25	1.09
148224	ValuePro	200-165	34	Coupler, jack-jack, panel mount	1.95	1.75	1.65
100597	ValuePro	40958-Y	35	Male to female/female T-adapter (180°)	6.95	6.25	5.49
658451	Amphenol Connex	112437	36	50Ω jack-to-jack bulkhead adapter (all 50Ω coax cables)	3.25	2.95	2.75
2115485	Emerson	27-8140	28	50Ω T-adapter, jack-plug-jack	.79	.69	.59
296083	Amphenol Connex	112446	29	75Ω straight adapter, jack-jack	2.95	2.75	2.49
658515	Amphenol Connex	112461	37	50Ω T-adapter, jack-plug-jack	2.95	2.75	2.49
117461	ValuePro	B-068	38	Male to female/female F-adapter (90°)	4.25	3.75	3.25
127343	ValuePro	B-311	38	Male/male coupler (UG-491B/U)	2.75	2.49	2.25
148232	ValuePro	B-332-IF	34	Coupler, jack-jack, isolated	2.25	1.95	1.75
127352	ValuePro	B-412	39	Male to female right angle (DG-306B/O)	3.95	3.25	2.49

Terminators

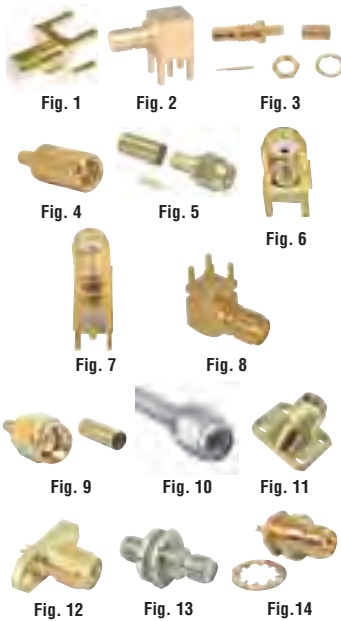
					★ Web Code: BCT		
Part No.	Manufacturer	Product No.	Fig.	Description	1	10	50
71458	ValuePro	B-611T	40	BNC male terminator (50Ω)	\$1.75	\$1.49	\$1.25
71790	ValuePro	200-177	40	BNC male terminator (75Ω, 5%)	1.35	1.19	.99
658523	Amphenol Connex	202103	41	50Ω terminator plug	2.75	2.49	2.25

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Connectors, Adapters & Coax Cables

SMB Connectors

*Web Code: SCS



Part No.	Manufacturer	Product No.	Fig.	Description	Plating	1	10	50
444824	Cinch	SMB50-1301	1	50Ω jack, straight, PCB mount	Gold ...	\$1.75	\$1.49	\$1.25
167312	ValuePro	24-12-2TGG-R	2	50Ω right angle jack, PCB mount	Gold ...	1.95	1.75	1.49
172364	ValuePro	24-07L-1-TGG	3	50Ω bulkhead crimp jack	Gold ...	1.95	1.75	1.49
172372	ValuePro	24-05L-1-TGG-R	4	50Ω cable crimp plug	Gold ...	2.95	2.59	2.25

50Ω SMA Connectors

*Web Code: SET

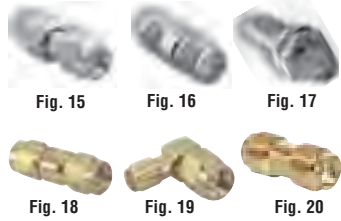
Part No.	Manufacturer	Product No.	Fig.	Description	Plating	1	10	50
157972	ValuePro	19-03F-4TGG	5	Straight crimp type male plug (RG-58)	Gold ...	\$2.49	\$2.25	\$1.95
145382	ValuePro	19-46G	6	Straight female PCB mount, 4 legs	Gold ...	3.49	3.19	2.89
145374	ValuePro	19-49G	7	90° female PCB mount, 4 legs	Gold ...	3.49	3.19	2.89
355283	ValuePro	901-143-6-RFX	8	Jack, right angle, PC mount	Gold ...	5.95	5.39	4.75
188509	Amphenol RF	901-144-8-RFX	6	Jack, right angle, PC mount	Gold ...	4.95	4.75	4.49
153366	ValuePro	4804	9	Straight crimp type male plug (RG-174)	Gold ...	3.25	2.95	2.65
296227	Amphenol Connex	132101	10	Straight cable plug w/ contact (RG-405U)	Gold ...	3.95	3.59	3.19
159531	ValuePro	CH-7814-G	11	Female panel mount, 4 mounting holes (G-58/174)	Gold ...	3.95	3.59	3.25
160022	ValuePro	CH-7815-G	12	Female panel mount, 2 mounting holes (RG-58/174)	Gold ...	2.75	2.49	2.25
160013	ValuePro	CH-7818-N	13	Panel mount feed thru, female-female	Nickel ...	4.95	4.25	3.75
153286	ValuePro	SMA-7813	14	Bulkhead solder female w/ washer, rear mount (RG-58/174)	Gold ...	3.95	3.59	3.19

† Use crimp tool 667921, below

Solder cup

SMA Adapters and Couplers

*Web Code: SET



Part No.	Manufacturer	Product No.	Fig.	Description	Plating	1	10	50
659032	Amphenol Connex	132168	15	50Ω plug-to-plug adapter	Gold ...	\$4.95	\$4.49	\$3.95
659041	Amphenol Connex	132169	16	50Ω jack-to-jack adapter	Gold ...	5.49	4.95	4.45
659059	Amphenol Connex	132170	17	50Ω jack-to-jack adapter, bulkhead feed-through	Gold ...	6.95	6.49	5.95
161294	ValuePro	S-311-G	18	Straight coupler male-male	Gold ...	3.49	3.25	2.95
161307	ValuePro	S-412-G	19	Right angle coupler male-female	Gold ...	5.95	5.49	4.95
153294	ValuePro	SMA-7817	20	Straight coupler female - jack-to-jack	Gold ...	3.95	3.59	3.19

Universal Hand Crimp Tools

*Web Code: GBU



Part No.	Manufacturer	Product No.	Die Cavities (in.)	Cable Groups	1	5
667850	Amphenol Connex	47-10070	.255/.213/.068	RG-55/58/59/62/141/142/223/303/400 (BNC/TNC)	\$59.95	\$54.95
667921	Amphenol Connex	47-10180	.255/.213/.100/.068/.052	5 cavity RG-58/59 N/BNC/TNC/SMA connectors	59.95	54.95

SMA/SMB 50Ω Coax Cables

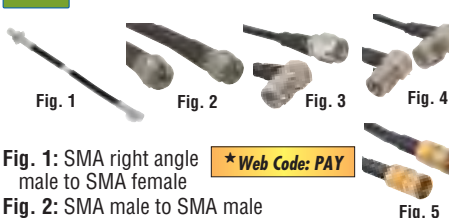


Fig. 1: SMA right angle male to SMA female
 Fig. 2: SMA male to SMA male
 Fig. 3: SMA male to SMA right angle male
 Fig. 4: SMA right angle male to SMA right angle male
 Fig. 5: SMB plug female to SMB plug female

*Web Code: PAY

Part No.	Cable	Fig.	Lgth (ft.)	1	10	50
2099391	RG-58	1	0.5	\$1.49	\$1.25	\$1.09
159371	RG-58	2	2	4.49	3.99	3.59
159397	RG-58	2	6	5.95	5.49	4.95
169801	RG-174	2	0.5	3.19	2.75	2.49
163855	RG-174	2	1	3.95	3.59	3.25
153382	RG-174	2	2	4.95	4.49	3.95
153391	RG-174	2	4	5.95	5.49	4.95
159451	RG-174	2	6	6.95	6.25	5.59
175135	RG-174	3	1	4.49	4.25	3.95
175143	RG-174	4	0.5	3.95	3.59	3.19
175152	RG-174	4	1	4.95	4.49	3.95
175178	RG-174	5	1	4.95	4.49	3.95

BNC Male Coax Cables



*Web Code: BBD

RG6 75Ω Cables

Part No.	Description	1	10	50
176794	3' BNC to BNC	\$4.95	\$4.49	\$3.95
176815	6' BNC to BNC	5.25	4.75	4.25

RG58/U 50Ω Network & Oscilloscope Cables

Part No.	Cross Ref. No.	Length (ft.)	1	10	50
181308	CRG58-1RR	1	\$3.95	\$3.55	\$3.19
102315	CRG58-1	1.5	3.95	3.55	3.19
256743	CBB-224-24	2	4.95	4.49	3.95
11404	CRG58-3	3	4.95	4.49	3.95
102331	CRG58-6	6	4.95	4.49	3.95
180822	CRG58-10	10	4.95	4.49	3.95
102350	CRG58-12	12	4.95	4.49	3.95
169818	CRG58-15	15	5.95	5.35	4.75
102357	CRG58-25	25	6.95	6.25	5.49
102365	CRG58-50	50	9.95	8.95	7.95
102381	CRG58-100	100	12.95	11.49	9.95

RG59/U 75Ω CATV & Video Patch Cords

Part No.	Cross Ref. No.	Length (ft.)	1	10	50
86472	CRG59-1	1.5	\$3.49	\$3.19	\$2.89
85543	CRG59-6	6	3.95	3.69	3.25
102373	CRG59-12	12	3.95	3.69	3.25

RG174/U 50Ω Network & Oscilloscope Cables

Part No.	Description	Length (ft.)	1	10	50
111473	RG174U3	3	\$5.49	\$4.95	\$4.49
111482	RG174U6	6	6.95	6.25	5.49

15-FOOT PRINTER CABLE - LOWEST PRICE EVER

36-pin Centronics to DB25 Male to Male

P/N 28708



*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

NAME BRANDS	4 LEVELS OF SAVINGS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE
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Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

Cables, Wire Connectors & Terminal Blocks

4 LEVELS OF SAVINGS			
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE

Hi Speed Fiber Optic PIN Photodiode

- Reverse voltage: 100VDC
- Continuous power dissipation: 200mW
- Peak response wavelength: 860nm
- High-speed, low capacitance
- ST style receptacle
- Interface with multimode optical fibers w/ 50/125 to 100/140 microns



Part No.	Mfr. Part No.	1	10	100
2135283	OPF432	\$2.95	\$2.75	\$2.49

10' Fiber Optic Cable

INDUSTRIAL FIBER OPTICS

* Web Code: QAA

- 1000µm core jacketed plastic fiber optic cable (10')

Part No.	Mfr. Part No.	1	10
171272	IF-C-E1000	\$6.95	\$6.25

Fiber Optic Lab Kit

INDUSTRIAL FIBER OPTICS

- 9 different activities
- Ideal for the lab environment
- Teaches the fundamentals of fiber

Part No.	Mfr. Part No.	1	5
169914	IF-LMH	\$59.95	\$49.95

EGE Telecom Splice Connectors

Provides clean, solid and rapid connection of wires to keep lines free of noise



169755: Y-type

Part No.	Color	AWG	Conductors	1	10	100
169747	Yellow	22-26	2	\$.25	\$.22	\$.15
169755	Red	19-26	3Y	.29	.25	.19

Wire Connectors



- Material: UL approved nylon 66, 94V2
- Strip wire before application
- Twist on type

182450/2121543: Nylon 66, 94-2 UL/CSA approved

140717: PE - metal inside Order in multiples of 10

Part No.	Description	10	100	1000
140717	Wire IDC 22-18 AWG	\$.15	\$.12	\$.09
182511	Wire nut 16 AWG	.12	.09	.07
182450	Crimp 16-14 AWG	.19	.15	.12
2121543	Crimp 8-6 AWG	.15	.12	.09

* Requires crimping tool (P/N 72996, pg 72)

* Wire Caps Available Online — Enter Web Code QBZ

JAMECO VALUEPRO WALL ADAPTERS

Part No.	Output Rating	1	5	25
157340	5V @ 2A	\$8.95	\$7.95	\$6.95
100853	9V @ 0.5A	6.95	6.25	5.59
101291	12V @ 1.5A	15.95	14.95	13.49
139088	24V @ 0.5A	9.95	8.95	7.95

Much more Wall Adapters on pages 101-105

Metric Tri-Barrier Single Row Terminal Blocks

DT39 Series

- Current rating: 20A @ 300V
- Wire gauge range: 12-22 AWG
- Brass, tin plated terminals
- Screw size: M3, steel nickel plated
- Off center PC mount
- Height: 12.7mm
- Pitch 8.25mm (center pin to center pin)
- UL/CSA recognized



2133616

Part No.	Cross Ref.	Pos.	Lgth (mm)	1	10	100
2133616	DT39-B01W-06	6	50.6	\$1.49	\$1.35	\$1.19
2133624	DT39-B01W-08	8	67.2	1.95	1.75	1.49

Metric Double Row Terminal Blocks

- Body: black thermoplastic (UL94V-0)
- Terminals: brass tin plated
- Screws: steel nickel plated
- 12-18 AWG



207572

* Web Code: YBM

10A @ 600V

- Screw size: M3.0
- Size: 19.5mm W x 11.9mm H

Part No.	Cross Ref.	Pos.	Lgth (mm)	1	10	100
208857	GGE-10-4P	4	55	\$.99	\$.89	\$.79
208865	GGE-10-6P	6	74	1.49	1.35	1.19
208900	GGE-10-10P	10	112	2.29	1.95	1.75
208882	GGE-10-12P	12	131	2.95	2.69	2.39

20A @ 600V

- Screw size: M3.5
- Size: 22.0mm W x 13.2mm H

Part No.	Cross Ref.	Pos.	Lgth (mm)	1	10	100
207547	GGE-20-6P	6	85.3	\$1.59	\$1.39	\$1.25
207563	GGE-20-10P	10	128.9	2.39	2.15	1.95
207572	GGE-20-12P	12	150.7	2.95	2.75	2.49

European Terminal Blocks

- Number of poles: 12
- Terminal insert: brass metal alloy, nickel plated
- Material: polyamide 66 (nylon 66), UL94V-2, natural
- Screws: zinc plated, yellow chromed, PA8 (M2.6), PA10, ES08, ES10 (M3.0), PA12 (3.5)



215011

* Web Code: CBJ

Part No.	Cross Ref.	Amps	AWG	1	10	100
2120161	ES0800/12DS	10	16-22	\$1.49	\$1.25	\$1.09
2120170	ES1000/12DS	20	16-20	1.55	1.49	1.25
215011	PA8HDS	20	12-22	1.75	1.59	1.39
215029	PA10HDS	30	10-22	2.39	2.25	1.95
215037	PA12HDS	35	10-22	2.75	2.49	2.25

*300V †450V

GRAB BAGS

For complete selection of Grab Bags, see page 39

Part No.	Pieces	Description	Price
17857	200	Capacitor	\$6.95
18041	100	LEDs	9.95
18235	50	Switches	9.95
135263	1000	Electronic	19.95

For complete selection of Grab Bags, see pages 39

Standard Double Row Barrier Terminal Blocks

- Insulation: molded mono block, general purpose phenolic, black, UL94V-1
- Screw material: steel with nickel over copper flash plating



* Web Code: YBM

140 Series 15A (5-40 x 3/16" BH screws)

- 3750-watts/terminal max.
- 16 AWG wire max.
- Size: 0.88"W x 0.41"H

Part No.	Mfr. P/N	Pos.	Length	1	10	100
230973	2-140	2	1.41"	\$1.49	\$1.39	\$1.25
230981	3-140	3	1.78"	1.55	1.39	1.25
230990	4-140	4	2.16"	1.79	1.49	1.29
231010	6-140	6	2.91"	2.39	2.19	1.95
231036	8-140	8	3.66"	2.89	2.49	2.09
231052	10-140	10	4.41"	3.95	3.59	3.25
231061	12-140	12	5.16"	4.25	3.95	3.59
1775983	14-140	14	5.91"	5.49	4.95	4.49

141 Series 20A (6-32 x 1/4" BH screws)

- 5000-watts/terminal max.
- 14 AWG wire max.
- Size: 1.13"W x 0.5"H

Part No.	Mfr. P/N	Pos.	Length	1	10	100
2100021	3-141*	3	1.78"	\$1.25	\$1.09	\$.99
231394	6-141	6	3.38"	2.75	2.59	2.35
231415	8-141	8	4.25"	3.49	3.25	2.95
231431	10-141	10	5.13"	3.75	3.39	2.95

*Manufacturer: Jameco ValuePro

142 Series 30A (8-32 x 5/16" BH screws)

- 7500-watts/terminal max.
- 10 AWG wire max.
- Size: 1.312"W x 0.625"H

Part No.	Mfr. P/N	Pos.	Length	1	10	100
440891	8-142	8	5.47"	\$5.49	\$4.95	\$4.49

Terminal Block Jumpers

For connecting between adjacent terminals or alternate terminals.

- 2-position
- Brass w/ nickel plating



Part No.	Mfr. Part No.	1	10	100
659382	140J-1 (140 series)	\$.35	\$.29	\$.25
448500	141J (141 series)	.39	.35	.29

molex BEAU Barrier Terminal Blocks

.375" Double Row Low Profile

- Wire AWG range: 12-24AWG
- Terminal: brass, nickel plated
- Insulator: thermoplastic, UL94V-0
- Screws: #6-32 BH screws, steel, zinc chromate plate



Part No.	Mfr. Part No.	Beau No.	Pos.	1	10	100
2125940	38770-0103	77003	3	\$1.25	\$.99	\$.75
659411	38770-0104	77004	4	1.95	1.79	1.59
659454	38770-0108	77008	8	2.75	2.49	2.25
659489	38770-0112	77012	12	3.95	3.59	3.19

1000' BELDEN COMPOSITE CABLE

P/N 734163 \$299.95

For data, audio, video, security, and control

For more Belden Cable, see pages 50 & 51

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Terminal Blocks & Solderless Terminal Kit



Terminal Blocks

• For detailed specifications, please see our website at www.Jameco.com



★ Web Code: XBD

Part No.	Mfr.	Mfr. Part No.	Fig.	Term.	Terminal Spacing	Description	1	10	100
2094506	OST	OSTTE020161	1	2	0.138"/3.5mm	Top screw	.39	.35	.29
2094522	OST	OSTTF020161	2	2	0.138"/3.5mm	Side screw	.39	.35	.29
2124411	OST	OSTTE040161	1	4	0.138"/3.5mm	Top screw	.55	.49	.45
2094514	OST	OSTTE030161	1	3	0.138"/3.5mm	Top screw	.49	.45	.39
2094565	OST	OSTTJ0231530	4	2	0.150"/3.81mm	R/A screw	.59	.55	.49
2094573	OST	OSTTJ0331530	4	3	0.150"/3.81mm	R/A screw	.89	.79	.69
2094485	OST	OSTTA020161	5	2	0.197"/5.0mm	Top screw	.39	.35	.29
160785	Dinkle	EK500V-02P	6	2	0.197"/5.0mm	Top screw	.65	.59	.49
164794	OST	OSTTH020160	3	2	0.197"/5.0mm	Top screw	.55	.45	.39
99427	Dinkle	128V2P-R	7	2	0.197"/5.0mm	Top screw	.85	.65	.55
189676	OST	OSTTC020162	8	2	0.197"/5.0mm	Top screw	.45	.35	.29
161067	Dinkle	EK500A-02P	9	2	0.197"/5.0mm	45° angle screw	.89	.79	.59
2094493	OST	OSTTA030161	5	3	0.197"/5.0mm	Top screw	.49	.45	.39
2081203	Dinkle	ED500V-3P	10	3	0.197"/5.0mm	Top screw	.29	.25	.19
189668	OST	OSTTC030162	8	3	0.197"/5.0mm	Top screw	.39	.35	.29
99398	Dinkle	DT128V3P	7	3	0.197"/5.0mm	Top screw	1.09	.99	.89
160793	Dinkle	EK500V-03P	6	3	0.197"/5.0mm	Top screw	1.09	.99	.89
164806	OST	OSTTH030160	3	3	0.197"/5.0mm	Top screw	.85	.79	.69
161059	Dinkle	EK500A-03P	9	3	0.197"/5.0mm	45° angle screw	1.25	1.09	.95
2124429	OST	OSTTA040161	5	4	0.197"/5.0mm	Top screw	.65	.59	.55
2124470	OST	DT128V4P-R	7	4	0.197"/5.0mm	Top screw	.65	.59	.55
164815	OST	OSTOP240000	13	24	0.197"/5.0mm	1.3 x 1.3mm	1.35	1.19	1.05
2120567	OST	OSTYC022150	6	2	0.200"/5.08mm	Top screw	.49	.45	.39
2120647	OST	OSTTC022162	1	2	0.200"/5.08mm	Top screw	.35	.29	.25
2094581	OST	OSTTJ025153	11	2	0.200"/5.08mm	Top screw	.69	.65	.59
152347	OST	OSTTA024163	12	2	0.200"/5.08mm	Top screw	.69	.65	.59
2120575	OST	OSTYC032150	6	3	0.200"/5.08mm	Top screw	.59	.55	.49
2120655	OST	OSTTC032162	1	3	0.200"/5.08mm	Top screw	.49	.45	.39
152355	OST	OSTTA034163	12	3	0.200"/5.08mm	Top screw	.59	.55	.49
2094590	OST	OSTTJ035153	11	3	0.200"/5.08mm	Top screw	1.09	.99	.89
2124445	OST	OSTTA044163	12	4	0.200"/5.08mm	Top screw	.69	.65	.59

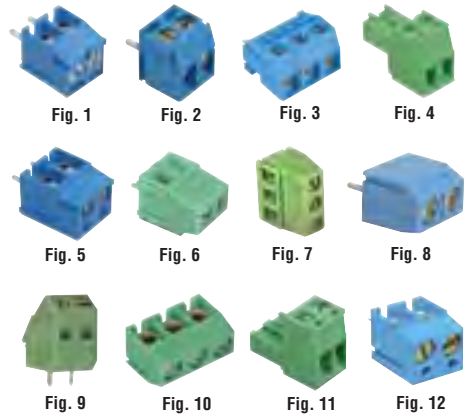


Fig. 13 (use w/ Fig. 6)

DIN Rail-Mounted Terminal Block & DIN Rail

- Molded thermoplastic
- 12-22 AWG
- Spacing: 5.06mm (.199")
- UL rated voltage and current: 600V @ 20A



248736: 35mm W x 7.5mm D

Part No.	Mfr. Part No.	Type	1	10	100
237083	41296.2	SR2.5	\$.99	\$.89	\$.75
248736	2094.0(IM)	TS35 x 7.5	7.95	6.95	5.95

170-Pc. Solderless Terminal Kit

170 Terminals and Connectors!

- Clear, hinged plastic box
- Use crimping tool P/N 72996, pg 72



Qty.	Description	Wire Gauge	Blade Size	Qty.	Description	Wire Gauge	Blade Size
10	Male spade	22-16	1/4"	10	Ring term.	16-14	#10
10	Male spade	16-14	1/4"	5	Ring term.	12-10	#10
10	Fem. spade	22-16	1/4"	5	Ring term.	12-10	#14
10	Fem. spade	16-14	1/4"	10	Spade term.	16-22	#6
10	Ring term.	22-16	#6	10	Spade term.	16-22	#8
10	Ring term.	22-16	#8	10	Spade term.	16-14	#10
10	Ring term.	16-14	#10	10	Butt conn.	16-22	—
15	Ring term.	16-14	#6	10	Butt conn.	16-14	—
10	Ring term.	16-14	#8	5	Butt conn.	12-10	—

Part No.	Product No.	1	10	25
10990	G1C175-R	\$14.95	\$13.49	\$11.95

GRAB BAG: 100 ASSORTED SOLDERLESS TERMINALS

ONLY \$7.95

P/N 2082118

More Grab Bags, see page 39

JAMECO ValuePro

UL1007 & UL1569 Rated Hook-Up Wire

Make wiring simple with these small gauge wire rolls. Able to handle high voltages while fitting and mounting easily into your terminal block slots. Applications: Interconnection circuits, wiring of computer and data processing equipment, applications and automotive.

- 300V peak
- Stranded
- Tin-plated copper
- Temperature range: -40°C to 105°C
- PVC insulation
- Sold in 100' rolls
- VW-1

★ Web Code: JAS



Appliance Wiring Material (AWM) is UL recognized covering of insulated wire & cable intended for internal wiring of appliances & equipment.

AWG	Stranding	UL1007	UL1569	Black P/N	Red P/N	White P/N	Green P/N	Yellow P/N	Blue P/N	1	5	10
28	7 x 36	x	x	734611	734603	734610	734606	734605	734614	\$5.95	\$5.49	\$4.95
26	7 x 34	x	x	734511	734503	734510	734506	734505	734514	6.49	5.95	5.49
24	7 x 32	x	x	734411	734403	734410	734406	734405	734414	8.95	7.95	6.95
22	7 x 30	x	x	126085	126034	126077	310852	310878	310886	8.95	7.95	6.95
22	7 x 30	x	x	734311	734303	734310	734306	734305	734314	9.95	8.95	7.95
20	10 x 30	x	x	125840	125795	125831	310894	310915	310922	10.95	9.95	8.95
20	10 x 30	x	x	734211	734203	734210	734206	734205	734214	11.95	10.95	9.95
18	16 x 30	x	x	125787	125736	125752	310932	310949	310958	13.95	12.95	11.95
18	16 x 30	x	x	734111	734103	734110	734106	734105	734114	14.95	13.95	12.95
16	26 x 30	x	x	734011	734003	734010	734006	734005	734014	17.95	15.95	14.49

22AWG SOLID HOOK-UP WIRE BUNDLE PACK

- 6 colors, 25 ft. each: red, white, black, green, blue and yellow
- 300V rated
- Perfect for breadboard connections



Part No.	1	5	25
P/N 2153705	\$14.95	\$13.95	\$12.95

Hook-Up Wire on page 49



★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

NAME BRANDS	4 LEVELS OF SAVINGS	FACTORY OVERRUN	DOLLAR SALE

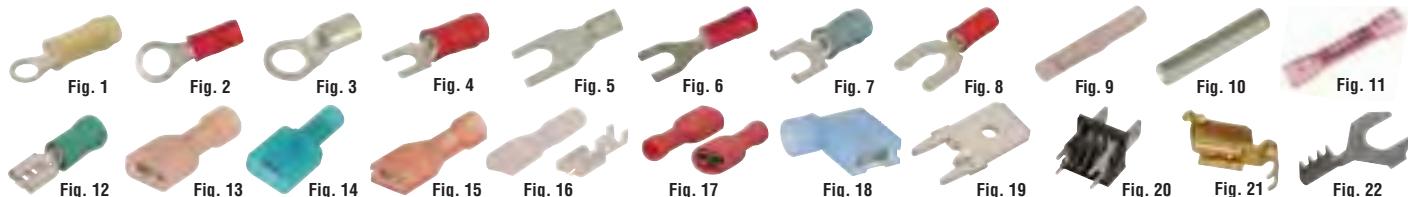
Order by Phone at 1-800-831-4242 or Online at www.Jameco.com



Terminals, Splices and Quick Connect/Disconnect

JAMECO ValuePro

★ Web Code: TSQ



Ring Tongue Terminals

* Order in multiples of 10

Part No.	Mfr.	Product No.	Fig.	Insul.	Stud Size	AWG	Color	1	10	100
302658	AMP	31880R	1	Nylon	#4	22-16	Red	*	\$.19	\$.15
2139073	Panduit	PV18-6R-MR	2	Plastic	#6	22-18	Red	*	.19	.15
103684	ValuePro	2048R	2	Plastic	#6	22-16	Red	*	.19	.15
302666	AMP	36152R	2	Plastic	#6	22-16	Red .....	.25	.22	.15
302674	AMP	31890R	2	Plastic	#8	22-16	Red	*	.19	.15
844289	AMP	34107R	3	Uninsul.	#6	22-16	—	*	.19	.15
844377	AMP	34111R	3	Uninsul.	#8	22-16	—	*	.19	.15
302720	AMP	320619R	1	Nylon	#6	16-14	Blue	*	.19	.15
302738	AMP	320565R	2	Nylon	#8	16-14	Blue .....	.29	.25	.19
302746	AMP	36160R	1	Nylon	#10	16-14	Blue	*	.19	.15
302754	AMP	321045R	1	Nylon	#1/4	16-14	Blue .....	.25	.22	.17
2139065	Panduit	P10-56R-D	3	Uninsul.	#5/16	12-10	— .....	.29	.25	.19
2144681	Panduit	PV10-8R-D	2	Vinyl	#8	12-10	Yellow ...	*	.19	.15
302797	AMP	35108R	1	Nylon	#8	12-10	Yellow ..	.25	.22	.17
302800	AMP	35109R	1	Nylon	#10	12-10	Yellow ...	.25	.22	.17

Spade Tongue Terminals

* Order in multiples of 10

Part No.	Mfr.	Product No.	Fig.	Insul.	Stud Size	AWG	Color	1	10	100
302851	AMP	328394R	4	Nylon	#2	22-16	Red	*	\$.19	\$.15
2125780	3M	MVU18-4FLK	4	Vinyl	#4	22-16	Red .....	.29	.25	.19
302869	AMP	327717R	4	Nylon	#4	22-16	Red .....	.39	.35	.33
302877	AMP	34541R	4	Nylon	#6	22-16	Red .....	.25	.22	.17
103588	ValuePro	SVS1-3.7R	4	Vinyl	#6	22-16	Red	*	.17	.15
842929	AMP	323127R	5	Uninsul.	#6	22-16	—	*	.19	.15
2129764	ETCO	PS55-130-THB	22	Uninsul.	#6	22-26	—	*	.07	.05
502879	Molex	19144-0001	6	PVC	#5-6	18-22	Red .....	.25	.22	.17
302906	AMP	35559R	4	Nylon	#6	16-14	Blue .....	.25	.22	.17
302914	AMP	32059R	4	Nylon	#8	16-14	Blue .....	.49	.45	.39
103596	ValuePro	SVM-2R	4	Vinyl	#8	16-14	Blue .....	.25	.22	.19
302949	AMP	326859R	4	Nylon	#6	12-10	Yellow ..	.45	.39	.35
302957	AMP	32588R	4	Nylon	#8	12-10	Yellow ...	.29	.25	.22

Flanged Spade Tongue Terminals

Part No.	Mfr.	Product No.	Fig.	Insul.	Stud Size	AWG	Color	1	10	100
303010	AMP	320862R	7	Nylon	#8	16-14	Blue ...	\$.35	\$.31	\$.27

Short Spring Spade Tongue Terminals

* Order in multiples of 10

Part No.	Mfr.	Mfr. Part No.	Fig.	Insul.	Stud Size	AWG	Color	1	10	100
303141	AMP	52942R	8	Nylon	#8	12-10	Yellow	*	\$.09	\$.08
303159	AMP	52943R	8	Nylon	#10	12-10	Yellow	*	.15	.12

Solderless Terminal/Quick Connect Cable Assembly

- **2100056:** #6 stud ring tongue terminal 22-16 AWG (fig. 1) and #6 stud spade tongue terminal 22-16 AWG (fig. 4) **2100056**
- **2100081:** #6 stud spade tongue terminal 22-16 AWG (fig. 4) and .250" quick connect/disconnect connector 22-16 AWG (fig. 14)
- **2100099:** Dual cable, .250" quick connect/disconnect connector 22-16 AWG and .110" quick connect/disconnect connector 22-16 AWG (fig. 14) **2100099**

Part No.	Product No.	Wire (AWG)	Length	1	10	100	1000
2100056	STCA-11	18 (green)	11'	\$.25	\$.19	\$.15	\$.12
2100081	STQC-13	18 (green)	13' .....	.29	.25	.19	.15
2100099	QCDC-39	18 (black & white)	39' .....	.35	.29	.25	.19

R RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Butt & Knife Disconnect Splices

* Order in multiples of 10

Part No.	Mfr.	Mfr. Part No.	Fig.	Insul.	Type	AWG	Color	1	10	100
303167	AMP	323994R	9	Nylon	Butt	24-20	Natural	\$.75	\$.65	\$.59
303175	AMP	320559R	9	Nylon	Butt	22-16	Red .....	.55	.49	.45
494469	Molex	19215-0009	10	Uninsul.	Butt	22-18	—	*	.12	.09
491305	Molex	19164-0013	11	NiAC	Butt	22-18	Red .....	.49	.45	.39
503062	Molex	19154-0004	9	PVC	Butt	18-22	Red	*	.19	.15
303183	AMP	320562R	9	Nylon	Butt	16-14	Blue .....	.59	.55	.49
511530	Molex	19154-0030R	9	PVC	Butt	12-10	Natural	*	.05	.04

Quick Connect/Disconnect Female Terminals

* Order in multiples of 10

Part No.	Mfr.	Product No.	Fig.	Insul.	Size (ins.)	AWG	Color	1	10	100
303280	AMP	640903-1R	12	Nylon	.250 x .032	22-18	Red ..	\$.25	\$.22	\$.15
489627	Molex	19003-0001*	13	Nylon	.250 x .032	22-18	Red	*	.19	.15
489475	Molex	19002-0001	14	Nylon	.250 x .032	22-18	Red ....	.35	.29	.25
489758	Molex	19005-0001	13	Nylon	.250 x .032	22-18	Red .....	.29	.22	.15
303255	AMP	640917-1R	12	Nylon	.187 x .020	22-18	Red .....	.25	.22	.15
837134	AMP	2-520411-2R*	13	Nylon	.187 x .032	22-18	Red .....	.29	.25	.22
489643	Molex	19003-0017*	13	Nylon	.187 x .032	22-18	Red ....	.25	.22	.15
489635	Molex	19003-0011*	13	Nylon	.187 x .020	22-18	Red ....	.29	.25	.19
524197	AMP	2-520182-2R	15	Nylon	.187 x .020	22-18	Red .....	.25	.22	.15
303247	AMP	640923-1R	12	Nylon	.110 x .020	22-18	Red .....	.29	.25	.19
2121551	ValuePro	QCD187	16	Nylon	.187 x .032	22-16	Clear	*	.15	.12
109112	ValuePro	GFF1250R	17	Vinyl	.250 x .032	22-16	Red	*	.19	.15
103668	ValuePro	FDV1-250R	12	Vinyl	.250 x .032	22-16	Red	*	.19	.15
106922	ValuePro	FDV1-187R	12	Vinyl	.187 x .032	22-16	Red	*	.12	.09
303327	AMP	640905-1R	12	Nylon	.250 x .032	16-14	Blue ....	.29	.25	.19
489766	Molex	19005-0005	13	Nylon	.250 x .032	16-14	Blue ....	.25	.22	.15
489678	Molex	19003-0040*	13	Nylon	.250 x .032	16-14	Blue	*	.19	.15
489871	Molex	19007-0021*	18	Nylon	.250 x .032	16-14	Blue ....	.35	.29	.25
303301	AMP	640919-1R	12	Nylon	.187 x .020	16-14	Blue	*	.17	.15
489694	Molex	19003-0050*	13	Nylon	.187 x .020	16-14	Blue ....	.25	.19	.15
303343	AMP	640907-1R	12	Nylon	.250 x .032	12-10	Yellow .39	.35	.29	.25
489774	Molex	19005-0010	13	Nylon	.250 x .032	10-12	Yellow .39	.35	.29	.25

* Translucent

Quick Connect/Disconnect Male Terminals Insulated

Part No.	Mfr.	Mfr. Part No.	Fig.	Insul.	Size (ins.)	AWG	Color	1	10	100
489432	Molex	19001-0003	14	Nylon	.187 x .020	22-18	Red ..	\$.45	\$.39	\$.35
489723	Molex	19004-0001	14	Nylon	.250 x .032	22-18	Red ....	.29	.25	.19
489731	Molex	19004-0005	14	Nylon	.250 x .032	16-14	Blue ....	.29	.25	.19

Printer Circuit Board Male Quick Connect

Order in multiples of 10

Part No.	Mfr.	Mfr. Part No.	Fig.	Material	Size (ins.)	1	10	100	1000
2150897	AMP	1217056-1R*	19	Tin/Copper	.250 x .032	\$.12	\$.09	\$.07	
853927	AMP	63824-1R**	19	Tin/Copper	.250 x .032	.12	.09	.07	
2129730	ValuePro	250-D†	20	Tin/Copper	.250 x .032	.12	.09	.07	
2129756	ARK-LES	3000-H-421AB#	21	Tin/Copper	.250 x .032	.12	.09	.07	

* Single ** Continuous strip † Dual # Piggyback style-male/female

See page 39 for Solderless Terminal Grab Bag (P/N 2082118).



Solderless Terminal Crimping Tool

- Crimps solderless terminals: 18-22 AWG red, 14-16 AWG blue and 10-12 AWG yellow



Part No.	Mfr. Part No.	Size	1	10	25
72996	HT303R	9.0"L x 2.0"W	\$24.95	\$21.95	\$17.95

JAMECO ValuePro

Binary Coded Decimal (BCD) Switches

- Contact resistance: 100mΩ max.
- Contacts: gold plated BE-CU alloy
- Front snap-tab mounting w/ end plates
- Continuous load: 1 amp max.
- 28VDC @ 0.15A

26789 (2 switches shown)

26761 (2 switches shown)

26818 (2 switches shown)

★ Web Code: QAD

26771

Part No.	Manufacturer	Cross Ref. No.	Description	Dimensions (L" x W" x D")	Character Height	Pricing		
						1	10	100
26789	ValuePro	GPF311221	10-position pushbutton	1.2 x 0.3 x 1.7	0.19"	\$4.95	\$4.75	\$4.49
26761	ValuePro	PF31E10	End plates for 26789 (2)	1.2 x 0.2 x 1.1	—	.99	.89	.75
26818	ValuePro	GTF311211	10-position thumbwheel	1.2 x 0.3 x 1.9	0.25"	4.75	4.49	3.95
26771	ValuePro	TF31E10	End plate for 26818 (2)	1.2 x 0.2 x 1.3	—	.99	.89	.75

JAMECO ValuePro

Mini Pushbutton BCD Switch

- 28VDC @ 10A
- Break before make
- Switches snap together
- Operating temp.: -10°C to +65°C
- Positive logic ("0" all open output)
- Size L = 0.59", W = 0.30", S = 1"
- Character height: 0.12"



Part No.	Cross Ref.	Description	1	10	100
136558	MX061	10-position	\$3.25	\$2.95	\$2.59
2128059	MX061-E	End plate .....	.75	.69	.65



OMRON Honeywell

Miniature Basic Switches

★ Web Code: UEM

- 3 terminals: common; normally open; normally closed
- Size: 1.10"L x 0.40"W x 0.63"H

1945268: Normally open (NO) only



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6

Part No.	Manufacturer	Product No.	Fig.	Actuator Type	Contact Form	Contact Rating	Service Life (Mech./Elec.)	Terminal Type	Pricing		
									1	10	100
187792	Omron	V-10G2-1C24K	3	Hinge lever (1.08"L)	SPDT-NC	0.1A @ 125VDC, 10A @ 250VAC	50M/300k	0.183" quick connect	\$2.75	\$2.49	\$2.25
187805	Omron	V-10G3-1C24K	4	Long hinge lever (2.01"L)	SPDT-NC	0.1A @ 125VDC, 10A @ 250VAC	50M/300k	0.183" quick connect	2.95	2.69	2.49
1945268	Zippy	VM-5	1	Long lever (2.0"L)	SPST	5A @ 125VAC/250VAC	10M/1M	0.187" quick connect	1.49	1.25	1.09
2076244	Honeywell	V3-23-D8	2	Pin plunger	SPST-NO	5A @ 125VAC	50M/300k	0.183" quick connect	1.75	1.49	1.25
2117333	ValuePro	VM-05S-03D0-Z	3	Long lever (2.0"L)	SPDT-NC	5A @ 125VAC/250VAC	50M/300k	0.185" quick connect	1.95	1.75	1.49
159572	Highly Electric	VS10N051C	5	Hinge roller (0.60"L)	SPDT-NC	10A @ 125VAC/250VAC	10M/100k	0.250" quick connect	2.95	2.69	2.49
159581	Highly Electric	VS10N021C2	3	Hinge lever (1.05"L)	SPDT-NC	10A @ 125VAC/250VAC	10M/100k	0.183" quick connect	2.49	2.25	1.95
483284	Cherry	D44CR1RD	6	Hinge lever (1.24"L)	SPDT	10A @ 125VAC/250VAC	6k	0.187" quick connect	3.25	2.95	2.65



OMRON Mountain Switch

Subminiature Basic Switches

★ Web Code: MBE

- Economical, subminiature basic switch offers long service life
- Free from overtravel restrictions, permits easy setting
- Lead spacing: A = 0.35"; B = 0.29"
- Dimensions: 0.78"L x 0.25"W x 0.40"H



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5

Part No.	Manufacturer	Mfr. Part No.	Fig.	Actuator Type	Contact Form	Contact Rating	Service Life (Mech./Elec.)	Terminal Type	Pricing		
									1	10	100
188867	Omron	D2F-L	1	Hinge lever (0.5"L)	SPDT-NC	3A @ 125VAC, 2A @ 30VDC	1M/30k	Solder	\$1.49	\$1.35	\$1.19
187709	Omron	SS-5GL	2	Hinge lever (0.6"L)	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	30M/200k	Solder	1.75	1.59	1.35
187733	Omron	SS-5GL2	3	Hinge roller (0.6"L)	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	30M/200k	Solder	1.95	1.75	1.59
159599	Highly Electric	SS0505A	3	Hinge roller (0.7"L)	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	30M/200k	Solder	1.49	1.35	1.19
187717	Omron	SS-5GL13	4	Simulated roller lever	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	30M/200k	Solder	1.75	1.59	1.35
2100048	Honeywell	311SM8094-H4	5	Straight lever (1.31")*	SPDT	5A @ 250VAC, 5A @ 30VDC	1M/30k	.110" quick connect	.99	.89	.75
2100030	Honeywell	311SM8095-H5	5	Straight lever (1.31")	SPDT	5A @ 250VAC, 5A @ 30VDC	1M/30k	.110" quick connect	.99	.89	.75

*Straight lever with flag actuator

Slide Switches

★ Web Code: LAP

- Two mounting flanges
- Top actuation
- 6/6 nylon plastic housing
- Nylon actual
- Phenolic insulated



Fig. 1



Fig. 2



Fig. 3

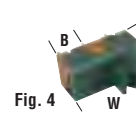


Fig. 4



Fig. 5



Fig. 6

Part No.	Manufacturer	Product No.	Fig.	Pins	Contact Form	Contact Rating	Dimensions (L" x W" x D")	Lead Spacing		Housing Material	Lead Length	Actuator Height	Pricing		
								A"	B"				1	10	100
588220	C&K Switches	OS102011MA1QN1	1	3	SPDT on-on	0.2A @ 30VDC	.34"L x .17"W x .15"D	—	.08	Metal	.11"	.16"	\$3.39	\$3.35	\$2.99
2132314	E-Switch	EG1206A	1	3	SPDT on-on	0.2A @ 30VDC	.51"L x .22"W x .24"D	—	.12	Metal	.15"	.26"	.49	.45	.39
621325	GC Electronics	35-202-BU	2	3	SPDT on-on	0.3A @ 30VAC	.44"L x .22"W x .18"D	.14	—	Metal	.14"	.16"	2.25	1.95	1.75
2133704	ValuePro	SS12D02	3	3	SPDT on-on	0.3A @ 50VDC	.35"L x .18"W x .18"D	—	.08	Metal	.12"	.15"	.35	.29	.25
109171	ValuePro	G4050X-R	4	3	SPDT on-on	0.5A @ 50VDC	.22"L x .45"W x .23"D	—	.12	Plastic	.17"	.15"	.39	.35	.29
204142	C&K Switches	4102021MLOY	5	3	SPDT on-on	2.0A @ 28VDC	.77"L x .40"W x .37"D	—	.19	Plastic	.19"	.17"	.49	.45	.39
161817	ValuePro	MS-306-R	2	6	DPDT on-on	0.3A @ 6VDC	.35"L x .14"W x .14"D	.10	.10	Plastic	.14"	.08"	.75	.69	.49
621472	GC Electronics	35-222	6	6	DPDT on-on	6.0A @ 125VAC	.88"L x .53"W x .35"D	.22	.29	Plastic	.25"	.36"	1.25	1.09	.99

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

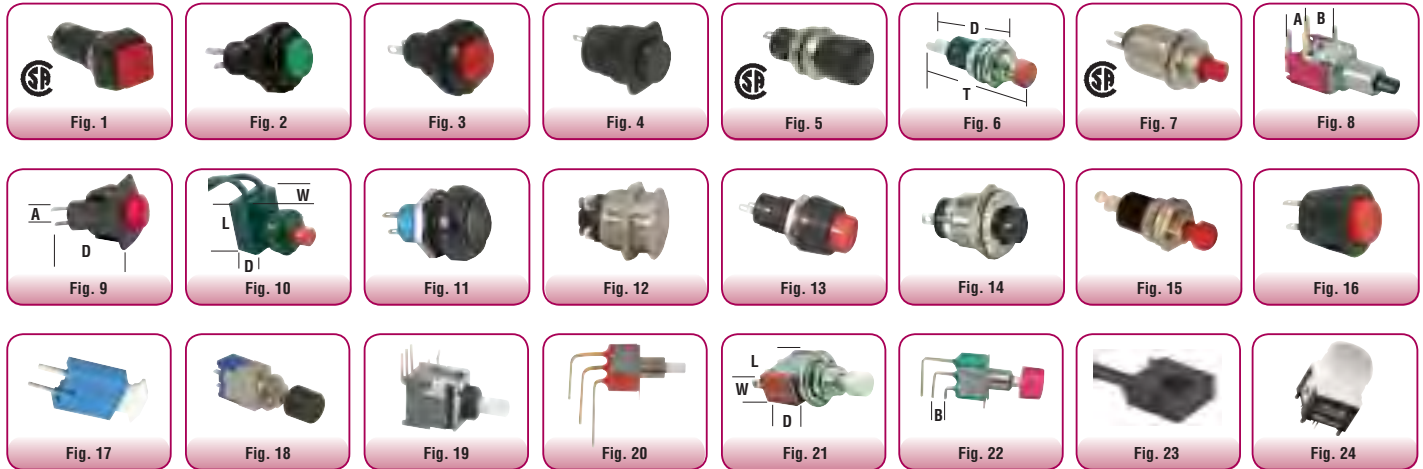
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Pushbutton Switches

★ Web Code: UBU



Part No.	Manufacturer	Product No.	Fig.	Pins	Contact Form () Momentary	Contact Rating	Mounting Hole Dia.	Dimension (L" x W" x D")	Lead Spacing		Terminal Type	Button Color	Pricing		
									A"	B"			1	10	100
2125958	Judco	J987-1	23	2*	SPST on-off	2A @ 14VDC	—	.60 x .72 x .26	1.9	—	4.5" pigtail	Black	\$.95	\$.85	\$.75
22200	Judco	J1881	10	2*	SPST on-off, Alt1	2A @ 14VDC	.375"	.65 x .52 x .40	.25	—	5" Pigtail	White	1.95	1.75	1.49
315388	ValuePro	PA101A1-R/BL	18	2	SPST on-off	6A @ 125VAC	.250"	1.2 (D) x 1.7 (T)	.185	—	Solder	Red	1.49	1.25	.99
26649	ValuePro	GPB002-CN	6	2	SPST on-(off)	3A @ 125VAC	.299"	.36 (D) x 1.13 (T)	—	.17	Solder lugs	Black	.75	.65	.59
172700	Arctic	MPS1SPSTBLWH	17	2	SPST (on/off)	.05A @ 24VDC	—	.38 x .20 x .10	.10	—	Solder terminal	White	.49	.45	.39
164494	Mountain Switch	DS-450-RED	13	2	SPST off-on	3A @ 125VAC	.406"	.59 (D) x 1.2 (T)	.175	—	Solder	Red	3.49	3.09	2.75
315492	ValuePro	R13-23B-B	1	2	SPST off-on	3A @ 125VAC	.480"	1.13 (D) x 1.53 (T)	.20	—	Solder	Black	1.25	1.09	.95
315484	ValuePro	R13-23B-R	1	2	SPST off-on	3A @ 125VAC	.480"	1.13 (D) x 1.53 (T)	.20	—	Solder	Red	1.25	1.09	.95
315521	ValuePro	R13-23B-Y	2	2	SPST off-on	3A @ 125VAC	.480"	1.38 (D) x 1.53 (T)	.18	—	Solder	Yellow	.99	.89	.79
2155111	NKK Switches	KP0115ANAKG03CF-1SJB	24	5	SPST off-(on)	.1A @ 12VDC	.591"	.59 x .59 x .906	.177	—	PC pin	Clear	6.95	5.95	4.95
171758	Apem	IPR3SAD2	11	2	SPST off-(on)	.2A @ 250VAC	.500"	.76 (D) x 1.0 (T)	.19	—	Solder	Black	14.95	13.95	12.95
164566	Mountain Switch	MS-402-RED	7	2	SPST off-(on)	.5A @ 125VAC	.172"	.60 (D) x .80 (T)	.08	—	Solder	Red	1.95	1.75	1.55
315643	ValuePro	R13-81-R	7	2	SPST off-(on)	.5A @ 125VAC	.203"	.44 (D) x .78 (T)	.08	—	PC terminal	Red	.95	.85	.75
164639	Mountain Switch	MS3120R	15	2	SPST off-(on)	.5A @ 125VAC	.295"	.31 (D) x 1.1 (T)	.175	—	Solder	Red	1.95	1.75	1.49
71643	ValuePro	SWB210	8	2	SPST off-(on)	1A @ 120VAC	.219"	.36 x .20 x .33	.20	.20	PC right angle	Black	2.95	2.59	2.39
164582	Mountain Switch	DS016B	14	2	SPST off-(on)	1A @ 125VAC	.469"	.46 (D) x .88 (T)	.22	—	Solder	Black	3.69	3.25	2.95
164671	Mountain Switch	NS801M0	17	2	SPST off-(on)	1A @ 125VAC	.492"	1.0 (D) x 1.1 (T)	.213	—	Solder terminal	Black	2.95	2.65	2.39
22218	Judco	J1882	10	2*	SPST off-(on)	2A @ 14VDC	.375"	.65 x .52 x .40	.25	—	5" Pigtail	Red	1.39	1.25	1.09
2131274	Velleman	R1400A	12	2	SPST off-(on)	2A @ 48VDC	.75"	.87 (D) x 1.2 (T)	.37	—	Screw	Silver	3.95	3.59	3.25
171774	Apem	AV191003C900	12	2	SPST off-(on)	2A @ 48VDC	.750"	.87 (D) x 1.2 (T)	.37	—	Screw	Silver	14.95	13.49	11.95
106112	Mountain Switch	DS-412-RED	16	2	SPST off-(on)	3A @ 110VAC	.734"	.66 (D) x .63 (T)	.275	—	Solder lugs	Red	1.95	1.75	1.59
26623	ValuePro	MS102	6	2	SPST off-(on)	3A @ 125VAC	.250"	.65 (D) x 1.10 (T)	—	.14	Solder lugs	Red	.75	.69	.59
164486	Mountain Switch	DS-463-RED	13	2	SPST off-(on)	3A @ 125VAC	.406"	.59 (D) x 1.2 (T)	.175	—	Solder	Red	2.49	2.25	1.95
315580	ValuePro	R13-40B-B	5	2	SPST off-(on)	3A @ 125VAC	.480"	.87 (D) x 1.4 (T)	.20	—	Solder	Black	1.49	1.35	1.19
315599	ValuePro	R13-40A-R	5	2	SPST off-(on)	3A @ 125VAC	.480"	.98 (D) x 1.56 (T)	.20	—	Solder	Red	1.49	1.35	1.19
315432	ValuePro	R13-23A-R	1	2	SPST off-(on)	3A @ 125VAC	.480"	1.13 (D) x 1.53 (T)	.20	—	Solder	Red	1.09	.95	.85
315651	ValuePro	R13-502A-05-BB	2	2	SPST off-(on)	3A @ 125VAC	.500"	.82 (D) x 1.02 (T)	.23	—	Solder	Black	1.95	1.75	1.49
315678	ValuePro	R13-502A-05-BG	2	2	SPST off-(on)	3A @ 125VAC	.500"	.82 (D) x 1.02 (T)	.20	—	Solder	Green	1.75	1.49	1.25
315660	ValuePro	R13-502A-05-BR	3	2	SPST off-(on)	3A @ 125VAC	.500"	.82 (D) x 1.02 (T)	.22	—	Solder	Red	1.75	1.49	1.25
174414	ValuePro	R13-510A	9	2	SPST off-(on)	3A @ 125VAC	.500"	.82 (D) x 1.0 (T)	—	.167	Solder lugs	Red	.95	.85	.75
315820	ValuePro	R13-508AL-05-BRR	4	4	SPST off-(on)	3A @ 125VAC	.630"	.93 (D) x 1.14 (T)	.21	.25	Solder w/ LED	Red	2.49	2.25	1.95
315791	ValuePro	R13-508A-05-BB	4	2	SPST off-(on)	3A @ 125VAC	.630"	.94 (D) x 1.16 (T)	.24	—	Solder	Black	2.49	2.25	1.95
2125771	C&K Switch	8125-SD9AV1BR	20	3	SPDT on-(off)	.02A @ 20VAC/DC	.250"	.50 x .27 x .38	—	.10	Solder right angle	White	.89	.79	.69
200774	ValuePro	TP12SH8AQE	19	3	SPDT off-(on)	1A @ 120VAC	.219"	.32 x .20 x .33	.20	.10	PC right angle	Black	3.25	2.95	2.59
72645	AlcoSwitch	TPC11FGR2	8	3	SPDT off-(on)	1A @ 125VAC	.203"	.32 x .26 x .37	.20	.20	PC right angle	Red	.99	.89	.79
121305	ValuePro	GPB006-WH	21	3	SPDT on-(on)	1A @ 120VAC	.250"	.52 x .27 x .38	—	.185	Solder lugs	White	3.75	3.49	3.15
28063	ValuePro	PB126	21	3	SPDT on-(on)	5A @ 120VAC	.250"	.52 x .28 x .38	—	.185	Solder lugs	Red	3.75	3.49	3.15
154878	Eaton Corp.	PS11-123	22	3	SPDT on-(on)	5A @ 125VAC	.250"	.50 x .27 x .37	—	.14	Solder right angle	Red	1.25	1.09	.95

*Lead wires 1 Alt = alternate action

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Cord, Toggle Switches & Switch Covers

Switchcraft® Cord-Switch®

- Maximum cable diameter: .375"
- Plastic insulation
- Button color: red
- Contact form: SPDT off-(on)
- 1-C switching circuit
- Die-cast zinc plated housing
- Copper alloy plated switch body and insert bushing

Part No.	Mfr. Part No.	1	10	50
297502	ED903	\$14.95	\$13.49	\$11.95



Inline Cord Switch

- Contact form: SPST on-off
- Terminal: solder
- Contact rating: 6A @ 120VAC
- Black plastic body
- Rocker actuator

* Web Code: CSH



Part No.	Mfr. Part No.	1	10	100
621270	35-1851-BU	\$3.75	\$3.49	\$3.25

Jameco ValuePro Switch Grab Bags

Have a variety of switches to use whenever you want. Includes an assortment of toggle, pushbutton, rocker, slide and DIP switches.

18235: 50 pieces

135378: 150 pieces

18235



Part No.	Product No.	Wt. (lbs.)	1	10
18235	GB165	0.4	\$9.95	\$8.95
135378	GB165LB	1.0	\$22.95	\$19.95



Magnetic Reed Switches

- NO (normally open)
- Contact form: SPST

* Web Code: UBB



1951342

Part No.	Product No.	Contact Rating	Size (L" x D")	Type	1	10	100
171872	MKA14103	0.5A @ 100VDC	0.53 x 0.1	Axial	\$.99	\$.89	\$.79
2099340	R1-27AAA	0.5A @ 180VDC/130VAC	1.81 x 0.07	Axial	.99	.89	.79
1951342	MKC-27103	1.0A @ 220VDC	2.24 x 0.1	Axial	1.89	1.69	1.49

Temperature Switch

- SPST-NC (Normally-Closed)
- Contact current: 5A
- Contact voltage: 120V
- Operational life: 100,000 cycles
- Contact resistance: 50MΩ or less
- Temp: 75°C (167°F)
- 1.64"L leads
- UL/CSA approved



Part No.	Product No.	1	10	100
159636	7AM-202	\$.79	\$.69	\$.59



Protective and Waterproof Boot Seal Switch Covers

* Web Code: SBS



2126580



2150184 (Switch not included)



2150192



2150205 (Switch 164582 not included)



2150213 (Switch 316022 not included)

Part No.	Manufacturer	Product No.	Description	Dimensions	1	10	100
2150184	Zago	TH 605-GY	Toggle switch boot seal, gray, 1/4-40, fits miniature toggle switches (pg 76)	0.375" OD x 0.071" ID x 0.500"D	\$1.95	\$1.75	\$1.49
2150192	Zago	TH 606-GY	Toggle switch boot seal, gray, 15/32-32, fits standard toggle switches (below)	0.625" OD x 0.209" ID x 0.890"H	1.95	1.75	1.49
2126580	ValuePro	WB-A7A	Toggle switch boot seal, black, 15/32-32, fits standard toggle switches (below)	0.324" OD x 0.226" ID x 0.978"H	2.25	1.95	1.75
2150205	Zago	RD550	Pushbutton boot cover – 85 durometer urethane for P/N 164582	0.600"Dia. x 0.266"H	2.75	2.49	2.25
2150213	Zago	RS83-59	Rocker switch boot cover – 85 durometer urethane for P/N 316022	0.857"L x 0.627"W x 0.525"H	2.25	1.95	1.75

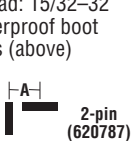


Standard Toggle Switches

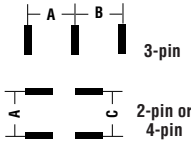


* Web Code: NAJ

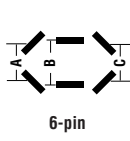
- Mounting hole dia.: 1/2"
- Thread: 15/32-32
- Waterproof boot seals (above)



2-pin
(620787)



2-pin or
4-pin



6-pin



Fig. 1



Fig. 2

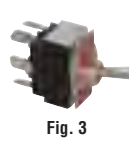


Fig. 3



Fig. 4

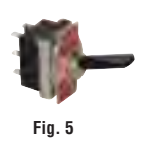


Fig. 5

Part No.	Manufacturer	Product No.	Fig.	Pins	Contact Form	Contact Rating (A @ VAC)	Dimensions (L" x W" x D")	Lead Spacing			Terminal Type	Lever Type	Pricing		
								A"	B"	C"			1	10	100
76241	ValuePro	SWM128	1	2	SPST on-off	4 @ 125 & 2 @ 250	1.00 x .56 x .52	.23	—	—	Solder lugs	Round	\$1.95	\$1.75	\$1.49
76232	ValuePro	SWM125	2	2	SPST on-off	6 @ 125 & 3 @ 250	1.00 x .53 x .51	.23	—	—	6" lead wire	Round	2.35	2.19	1.89
2126192	LKG Philmore	30-350B	2	2	SPST on-off	8 @ 125 & 4 @ 250	1.00 x .64 x .33	.23	—	—	6" lead wire	Round	2.49	2.25	1.95
317825	ValuePro	R13-25A2-01	3	2	SPST on-off	10 @ 125 & 6 @ 250	1.14 x .59 x .62	.38	.38	—	.250" quick connect	Round	2.75	2.49	2.19
318027	ValuePro	R13-28A-06	3	2	SPST on-off	15 @ 125 & 10 @ 250	1.33 x .75 x .75	.45	.61	.45	M3 screw	Round	1.95	1.75	1.49
318002	ValuePro	R13-28A-01	3	2	SPST on-off	15 @ 125 & 10 @ 250	1.33 x .75 x .75	.45	.61	.45	.250" quick connect	Round	2.75	2.49	2.19
621499	GC Electronics	35-3005	4	2	SPST on-off	20 @ 125 & 10 @ 250	.92 x .64 x .40	—	.47	—	.250" quick connect	Round	3.25	2.95	2.59
318123	ValuePro	R13-28D-01	3	3	SPDT on-off-on	15 @ 125 & 10 @ 250	1.33 x .75 x .75	.45	.61	.45	.250" quick connect	Round	2.39	2.19	1.89
318141	ValuePro	R13-28D-06	3	3	SPDT on-off-on	15 @ 125 & 10 @ 250	1.33 x .75 x .75	.45	.61	.45	M3 screw	Round	3.95	3.59	3.19
158060	ValuePro	JKN32	1	4	DPDT on-off	4 @ 125 & 2 @ 250	1.00 x .56 x .52	.23	—	.23	Solder lugs	Round	1.29	1.15	1.05
158078	ValuePro	JKN3CC	1	6	DPDT on-on	10 @ 125 & 6 @ 250	1.19 x .76 x .73	.44	.59	.44	Screw lugs	Round	1.49	1.35	1.25
76260	ValuePro	SWM126	1	6	DPDT on-on	5 @ 125 & 3 @ 250	1.10 x .77 x .60	.30	.60	.30	Solder lugs	Round	1.95	1.75	1.59
318043	ValuePro	R13-28B-01	3	6	DPDT on-on	15 @ 125 & 10 @ 250	1.33 x .75 x .75	.45	.61	.45	.250" quick connect	Round	3.95	3.39	2.95
317850	ValuePro	R13-25B1-05	5	6	DPDT on-on	10 @ 125 & 6 @ 250	1.14 x .79 x .62	.40	.40	.40	Solder lugs	Flat	1.75	1.59	1.45
567761	ValuePro	T-1224	3	6	DPDT on-off-on	10 @ 125 & 5 @ 250	1.18 x .77 x .75	.40	.60	.40	M3 screw	Round	4.49	3.95	3.59
317972	ValuePro	R13-25E1-05	5	6	DPDT on-off-on	10 @ 125 & 6 @ 250	1.14 x .59 x .62	.38	.38	—	Solder lugs	Flat	2.95	2.59	2.39

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NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com



JAMECO ValuePro

- Mounting hole dia.: 1/4"
- Thread: 1/4-40 UNS-2B
- Waterproof boot seals (pg 75)

Includes: Mounting hardware

Miniature Toggle Switches



*Web Code: PAJ

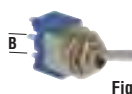


Fig. 1



Fig. 2

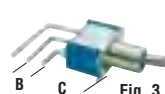


Fig. 3



Fig. 4



Fig. 5

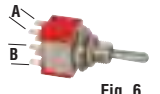


Fig. 6

(PC straight or right angle)

(PC or solder lug)

Part No.	Mir.	Product No.	Fig.	Pins	Contact Form () Momentary	Contact Rating (A @ VAC)	Dimensions (L" x W" x D")	Lead Spacing			Terminal Type	Lever Type	Pricing		
								A"	B"	C"			1	10	100
2135478	JVP	T100T1B4A2	3	2	SPST on-off	5 @ 120 & 2 @ 250	.50 x .28 x .35	—	0.190	—	PC straight	Round	\$1.49	\$1.39	\$1.25
317228	JVP	1MS9T1B1M1QE	1	2	SPST on-off	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.190	—	Solder lugs	Round	1.95	1.75	1.59
317287	JVP	1MS9T6B11M1QE	2	2	SPST on-off	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Flat	1.49	1.35	1.19
76523	JVP	JMT113	1	2	SPST on-off	6 @ 125 & 3 @ 250	.52 x .32 x .38	—	0.185	—	Solder lugs	Round	1.49	1.39	1.25
2135486	JVP	T101T1B4A2	2	3	SPDT on-on	5 @ 120 & 2 @ 250	.50 x .28 x .35	—	0.190	—	PC straight	Round	1.95	1.75	1.55
317236	JVP	1MS1T1B1M1QE	1	3	SPDT on-on	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Round	1.39	1.25	1.09
2135857	JVP	GTS103	1	3	SPDT on-on	5 @ 120 & 2 @ 250	.50 x .28 x .35	—	0.185	—	Solder lugs	Round	1.25	1.09	.95
2151179	C&K	7101SHZ3BE	2	3	SPDT on-on	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	PC straight	Round	2.49	2.25	1.95
317295	JVP	1MS1T6B11M1QE	2	3	SPDT on-on	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Flat	1.49	1.35	1.09
317332	JVP	1MS2T6B11M1QE	2	3	SPDT on-(on)	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Flat	1.75	1.55	1.35
22833	JVP	MS102F1-R	2	3	SPDT on-on	6 @ 125 & 3 @ 250	.52 x .28 x .36	—	0.185	—	Solder lugs	Flat	1.75	1.55	1.35
71597	JVP	SWM148	3	3	SPDT on-on	6 @ 125 & 3 @ 250	.52 x .32 x .38	—	0.133	0.51	PC right angle	Round	1.25	1.09	.99
75854	JVP	GTS103	1	3	SPDT on-on	6 @ 125 & 3 @ 250	.52 x .32 x .38	—	0.185	—	Solder lugs	Round	1.75	1.55	1.35
75871	JVP	SWM145	3	3	SPDT on-on	6 @ 125 & 3 @ 250	.52 x .32 x .38	—	0.185	0.20	PC right angle	Round	1.65	1.49	1.35
26332	JVP	MPC123R	4	3	SPDT on-on	6 @ 125 & 3 @ 250	.52 x .32 x .37	—	0.185	—	PC straight	Round	1.99	1.79	1.59
21936	JVP	JMT123 (blue)	1	3	SPDT on-on	6 @ 125 & 3 @ 250	.52 x .32 x .38	—	0.185	—	Solder lugs	Round	1.75	1.55	1.35
317244	JVP	1MS3T1B1M1QE	1	3	SPDT on-off-on	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Round	1.75	1.59	1.39
317308	JVP	1MS3T6B11M1QE	2	3	SPDT on-off-on	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Flat	1.75	1.59	1.39
317252	JVP	1MS4T1B1M1QE	1	3	SPDT (on)-off-(on)	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Round	1.49	1.35	1.19
317316	JVP	1MS4T6B11M1QE	2	3	SPDT (on)-off-(on)	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Flat	1.75	1.59	1.39
317261	JVP	1MS5T1B1M1QE	1	3	SPDT on-off-(on)	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Round	1.25	1.09	.95
317324	JVP	1MS5T6B11M1QE	2	3	SPDT on-off-(on)	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Flat	1.59	1.39	1.19
2145174	JVP	T104T1A2QN	4	3	SPDT (on)-off-(on)	5 @ 125 & 2 @ 250	.50 x .27 x .35	—	0.185	—	PC straight	Round	1.75	1.59	1.39
75889	JVP	SWM129	1	3	SPDT (on)-off-(on)	6 @ 125 & 3 @ 250	.52 x .32 x .38	—	0.185	—	Solder lugs	Round	1.75	1.59	1.39
21910	JVP	JMT121	1	3	SPDT on-off-on	6 @ 125 & 3 @ 250	.52 x .32 x .38	—	0.185	—	Solder lugs	Round	1.49	1.35	1.25
26315	JVP	MPC121	4	3	SPDT on-off-on	6 @ 125 & 3 @ 250	.52 x .32 x .37	—	0.185	—	PC straight	Round	1.65	1.49	1.35
317472	JVP	1MD1T6B11M1QE	5	6	DPDT on-on	5 @ 120 & 2 @ 250	.50 x .45 x .35	0.19	0.185	—	Solder lugs	Flat	1.95	1.75	1.49
75900	JVP	SWM133	6	6	DPDT on-on	6 @ 125 & 3 @ 250	.52 x .52 x .38	0.20	0.185	—	Solder lugs	Round	1.95	1.75	1.49
21979	JVP	JMT223	6	6	DPDT on-on	6 @ 125 & 3 @ 250	.52 x .52 x .38	0.20	0.185	—	Solder lugs	Round	1.75	1.49	1.25
26367	JVP	GTS112-P	6	6	DPDT on-on	6 @ 125 & 3 @ 250	.52 x .50 x .41	0.20	0.157	—	PC straight	Round	1.65	1.49	1.35
22859	JVP	GTS172BLK	5	6	DPDT on-on	6 @ 125 & 3 @ 250	.52 x .52 x .38	0.20	0.185	—	Solder lugs	Flat	1.95	1.75	1.55
317498	JVP	1MD4T6B11M1QE	5	6	DPDT (on)-off-(on)	5 @ 120 & 2 @ 250	.50 x .45 x .35	0.19	0.185	—	Solder lugs	Flat	1.95	1.75	1.59
317501	JVP	1MD5T6B11M1QE	5	6	DPDT on-off-(on)	5 @ 120 & 2 @ 250	.50 x .45 x .35	0.19	0.185	—	Solder lugs	Flat	1.25	1.09	.99
202964	JVP	WI24	3	6	DPDT on-off-(on)	6 @ 125 & 3 @ 250	.50 x .50 x .46	0.15	0.150	0.055	PC right angle	Round	.49	.45	.39
75951	JVP	SWM130	6	6	DPDT (on)-off-(on)	6 @ 125 & 3 @ 250	.52 x .52 x .38	0.20	0.185	—	Solder lugs	Round	1.95	1.75	1.49
26358	JVP	MPC221	6	6	DPDT on-off-on	6 @ 125 & 3 @ 250	.52 x .52 x .38	0.20	0.185	—	PC straight	Round	1.95	1.75	1.49
21952	JVP	GTS114	6	6	DPDT on-off-on	6 @ 125 & 3 @ 250	.52 x .52 x .38	0.20	0.185	—	Solder lugs	Round	1.95	1.75	1.49
22841	JVP	GTS164BLK	5	6	DPDT on-off-on	6 @ 125 & 3 @ 250	.52 x .52 x .38	0.20	0.185	—	Solder lugs	Flat	1.49	1.25	1.09
620576	GCE	35-009	6	6	DPDT on-on-on	5 @ 125 & 2 @ 250	.50 x .45 x .40	0.23	0.150	—	Solder lugs	Round	3.95	3.59	3.19
2135304	C&K	7301SYCB5ER	6	9	3PDT on-on	5 @ 120 & 2 @ 250	.70 x .50 x .40	0.23	0.150	—	PC straight	Round	6.95	5.95	4.95

OVERSTOCKED DIP SWITCHES

Part No.	Description	Position	Price
2082450	Standard flush rocker, 14-pin	7	\$.49
2133501	Standard flush rocker, 16-pin	8	.49
2082468	Standard raised rocker, 20-pin	10	.49

See page 78 for the complete selection

*Web Code: UCY



TRI-STATE DIP SWITCH

- 8 position
- 24VDC @ 25mA
- Use socket P/N 37373



P/N 138992

Only 99¢

* C&K = C&K Switches | GCE = GC Electronics | JVP = Jameco ValuePro

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Subminiature Toggle, Rocker & Specialty Switches

JAMECO ValuePro

Subminiature Toggle Switches

*Web Code: NAN

- Mounting hole diameter: 7/32 (.21875")
- Thread: 10-48 UNS
- Round lever
- Pre-tinned leads
- Metal construction

Includes: Mounting hardware

Fig. 1



Fig. 2



Fig. 3



Fig. 4



Part No.	Manufacturer	Product No.	Fig.	Pins	Contact Form () Momentary	Contact Rating	Dimensions (L" x W" x D")	Lead Spacing		Terminal Type	Pricing		
								A"	B"		1	10	100
72161	ValuePro	SW1501	1	2	SPST on-off	5A @ 125VAC & 2A @ 250VAC	.33 x .21 x .33	.10	—	Solder lugs	\$1.49	\$1.35	\$1.19
2121199	ValuePro	DS-41T1B1A1	1	3	SPST on-off	3A @ 125VAC & 1.5A @ 250VAC	.33 x .21 x .33	.10	.10	Solder lugs	1.39	1.25	1.09
567752	Fujisoku	AT1D-6M3	2	3	SPDT on-on	0.05A @ 48VDC/VAC	.37 x .22 x .33	.10	—	PC right angle	.99	.89	.75
106067	ValuePro	SWP124	2	3	SPDT on-on	0.4VA max.	.25 x .33 x .40	.20	.10	PC right angle	1.99	1.79	1.59
75969	ValuePro	SWM136	1	3	SPDT on-on	3A @ 125VAC & 1.5A @ 250VAC	.33 x .21 x .33	.10	—	Solder lugs	1.85	1.69	1.49
72557	ValuePro	GTS304	1	3	SPDT on-off-on	1.5A @ 250VDC	.32 x .20 x .28	.10	—	Solder lugs	1.35	1.19	1.05
2076228	C&K (sealed)	ET05J6ABE	3	3	SPDT (on)-off-(on)	0.4VA @ 20VDC/VAC	.32 x .32 x .20	.20	.08	PC right angle	.45	.39	.35
75977	ValuePro	SWM137	4	6	DPDT on-on	3A @ 125VAC	.33 x .37 x .33	.17	.10	Solder lugs	1.59	1.45	1.25
138907	ValuePro	SW1503	4	6	DPDT on-off-on	3A @ 125VAC & 1.5A @ 250VAC	.36 x .37 x .33	.17	.10	Solder lugs	1.75	1.49	1.25

JAMECO ValuePro

Standard Appliance Panel Mount Rocker Switches



*Web Code: VBU



Part No.	Mfr.	Product No.	Pins	Contact Form () Momentary	Contact Rating (A @ VAC)	Dimensions (L" x W" x D")	Lead Space		Rocker Color	Terminal Type	Pricing		
							A"	B"			1	10	100
316048	JVP	R13-66B-G-02	3	SPST on-off	9 @ 125 & 6 @ 250	.83 x .59 x .47	.31	.31	Green illum.	.187" quick connect	\$1.35	\$1.25	\$1.19
316128	JVP	R13-73B-R-02	3	SPST on-off	9 @ 125 & 6 @ 250	.83 x .59 x .87	.35	.35	Red illum.	.187" quick connect	1.65	1.49	1.35
316136	JVP	R13-73B-Y-02	3	SPST on-off	9 @ 125 & 6 @ 250	.83 x .59 x .87	.35	.35	Yellow illum.	.187" quick connect	1.09	.99	.89
1945276	PRO	BR-12A-55S	2	SPST on-off	10 @ 125 & 5 @ 250	.83 x .59 x .59	.31	—	Light gray	5.5" wire leads	.39	.29	.25
316451	JVP	R13-243A-02	2	SPST on-off	10 @ 125 & 6 @ 250	.83 x .37 x .85	.35	—	Black	.187" quick connect	.95	.85	.75
1210196	JVP	HF-606	2	SPST on-off	10 @ 125 & 6 @ 250	.83 x .59 x .55	.27	—	Black	.187" quick connect	.99	.89	.79
1945284	PRO	R13-66	2	SPST on-off	10 @ 125 & 6 @ 250	.83 x .59 x .55	.31	—	Dark gray	5.5" wire leads	.49	.39	.29
577221	CHY	RAA22H3BBBNN	2	SPST on-off	12 @ 125 & 10 @ 250	.69 x .51 x .64	.35	—	Black	.187" quick connect	.99	.89	.79
2153158	JVP	RL1-4-A-O-B/B-2	2	SPST on-off	15 @ 125 & 7.5 @ 250	1.07 x .42 x .77	.45	—	Black	.250" quick connect	.75	.69	.65
316022	JVP	R13-66A-R-02	2	SPST on-off	15 @ 125 & 8 @ 250	.83 x .59 x .63	.31	—	Red	.187" quick connect	.99	.89	.79
316014	JVP	R13-66A-B-02	2	SPST on-off	16 @ 125 & 10 @ 250	.83 x .59 x .63	.31	—	Black	.187" quick connect	.99	.89	.79
2126205	LKG	30-600B	2	SPST on-off	20 @ 125 & 10 @ 250	1.70 x .97 x .70	.25	—	Black	.250" quick connect	2.25	1.95	1.75
196154	JVP	R30NSA-B/B	2	SPST on-off	20 @ 125 & 16 @ 250	1.07 x .42 x .77	.45	—	Black	.250" quick connect	.95	.85	.75
1945241	ITW	163-099-029	3	SPDT	16 @ 125 & 12 @ 250	1.2 x .55 x .59	.26	.26	Black	.250" quick connect	.39	.35	.25
316072	JVP	R13-66D-02	3	SPDT on-off-on	16 @ 125 & 10 @ 250	.83 x .59 x .47	.31	.31	Black	.187" quick connect	.99	.89	.79
617473	GCE	35-695	3	SPDT (on)-off-(on)	16 @ 125 & 16 @ 250	.93 x .43 x .62	.34	.56	Black	.250" quick connect	4.49	3.95	3.59
316111	JVP	R13-73A2-B-02	4	DPST on-off	9 @ 125 & 6 @ 250	.83 x .59 x .68	.20	.34	Black	.187" quick connect	1.49	1.35	1.19
316153	JVP	R13-73C-R-02	4	DPST on-off	10 @ 125 & 6 @ 250	.83 x .59 x .87	.20	.34	Red illum.	.187" quick connect	1.49	1.35	1.19

Specialty Switches



Pull Chain Switch

- Current rating: 6A @ 20VAC/VDC; 3A @ 120VAC

*Web Code: SPS

Part No.	Mfr.	Mfr. Part No.	Contact Form	Actuator	Terminal Type	1	10	100
617764	GCE	35-864	SPST on-off	3 1/2" pull chain	6" wires	\$2.49	\$2.25	\$1.95

Magnetic Proximity

- Current rating: 0.5A @ 20VAC/VDC; 0.08A @ 120VAC, P/N NM/588182/588131: 30VAC @ .3A

Part No.	Mfr.	Mfr. Part No.	Contact Form	Actuator	Terminal Type	1	10	100
617529	GCE	35-752	SPDT NO/NC	Use magnet	Leaded SD	\$9.95	\$8.95	\$7.95
617545	GCE	35-756	SPDT NO/NC w/o magnet	Need magnet	Screw term., 1/4" gap, surface mount	6.25	5.59	4.95
588182	C&K	MPS9WGW	SPST NO	Use magnet	Lead wires, 22AWG, 12"L	6.29	5.59	4.75
588131	C&K	MPS45WGW	SPST NO	Use magnet	Lead wires, 22AWG, 12"L	5.95	5.49	4.95

ROLLING BALL TILT SWITCH

- 30° operation angle
- Max. switch rating: 24VDC @ 6mA
- Electrical life endurance: >50,000 cycles

P/N 2158012



Capacitive Touch Switch

- 1.7µA @ 1.8V to 80µA @ 5V
- Auto calibrate on power up for panel/overlay thickness (up to 0.4")
- No moving parts, can be mounted behind wood, plastic, glass, fabric, etc.
- Use for kiosk control panel, interactive art, industrial control panel or props



Part No.	Mfr. Part No.	Size	1	5
2135806	RK-150	2" x 2"	\$11.95	\$10.95

Voltage Selector Switch

- Type SWZ 6-position, panel mount
- Series – parallel connection
- Combination solder and quick disconnect terminals
- UL rated 10A @ 250V, and CSA rated 6.3A @ 250V
- Insulation resistance: 10MΩ @ 500VDC/1 min.
- Contact resistance: <10mΩ

NEW
MARKED IN PINK

JAMECO
ValuePro



Part No.	Mfr. Part No.	1	10	100
2154943	0033.3504	\$12.95	\$11.95	\$10.49

* CHY = Cherry | C&K = C&K Switches | GCE = GC Electronics | JVP = Jameco ValuePro | ITW = Illinois Tool | LKG = LKG Industries Inc. | PRO = Pronic Electronic

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

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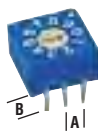
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Rotary, Keylock & DIP Switches

4 LEVELS OF SAVINGS			
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE

EGE Rotary DIP Switches

- Gold plated contacts to ensure reliable, low resistance connection
- Fully sealed construction
- Terminals: PC pin leads
- Life: 10,000 cycles min.
- Op. force: 500g-cm max.
- Lead spacing: A = 0.1"; B = 0.3"
- Size: .39"W x .39"D x .20"H
- Material: UL94V-0 grade
- Max. switching load rating: 25mA @ 24VDC



* Web Code: UAX

Part No.	Mfr. Part No.	Type	Pos.	1	10
139636	ERD110RSZ	BCD	10	.....	\$2.89 \$2.59
139652	ERD116RSZ	HEX	16	.....	2.95 2.65

Standard, Low Profile, Piano & Right Angle DIP Switches



696950 (Standard)



38842 (Standard)



696917 (Standard)



2082441 (Standard)



139003 (Low Profile)



139012 (Low Profile)



2076156 (Right Angle)



696802 (Piano Style)

Compatible Socket Chart, see page 14 for Sockets

Switch	Socket	Switch	Socket
2-position	112193	7-position	112214
3-position	112193	8-position	112222
4-position	112206	9-position	112231
5-position	112214	10-position	38608
6-position	112214	12-position	112282

* Web Code: UCY

• Switch contacts: SPST (except P/N 2122781 – DPST)

• Piano switches have raised lever

JAMECO ValuePro Rotary Switches

- Contact rating: 30VDC @ 0.3A; except P/N 2099631: 125VAC @ 0.3A
- Insulation resistance: 10MΩ min.
- Mounting hole diameter: 3/8"; except P/N 2099631: 0.348"
- Contact resistance: 30mΩ
- Material: solid brass bushings, slotted aluminum shafts (except for P/N 2099631: D-type); round, plated frame, plastic contact wafer (except for P/N 2099631 – phenolic casing)
- Make before break; except P/N 2099631: break before make
- Solder eyelet lugs
- Shaft size: 0.46"L x 0.25" Dia.; except P/N 2099631: 0.34"L x 0.25" Dia.



101574

Includes: Washer and nut

Part No.	Product No.	Poles	Pos.	1	10	100
101532	G3SR026	1	12	.....	\$1.25 \$1.09	\$.95
2099631	SR2511-0205	2	5	.....	1.25 1.09	.95
101574	G3SR022	2	6	.....	1.25 1.09	.95
101566	G3SR023	3	4	.....	1.25 1.09	.95
101558	G3SR024	4	3	.....	1.25 1.09	.95

C&K A Series Rotary Switches

- 30° index flatted actuator, 3/8-32 threaded mounting style
- Solder lug or PC thru-hole termination
- Dielectric strength: 1000Vrms
- 15,000 make & break cycles
- Contact resistance: 20mΩ typical @ 2-4VDC
- Contact rating: 2.5A @ 125VAC; 350mA @ 250VDC
- Contact and terminals: brass, silver plated
- Housing/actuator: glass filled 6/6 nylon (UL94V-0)

576501

Part No.	Mfr. Part No.	Type	Pos.	Act. Ht.	1	10
576501	A11215RNZQ	SP	12	1.5"	..	\$5.49 \$4.95
576421	A20615RNZQ	DP	6	1.5"	.....	5.49 4.95
2132234	A30403RNCBE	3P	4	0.375"	...	2.95 2.75

* Rotary Switches Online — Enter Web Code DAM

Series 5000 Single Deck Rotary Switch

- 0.470" mounting hole
- Make & break rating: 1A @ 115VAC or 0.5A @ 220VAC
- Contact resistance: 10mΩ initial
- Insulation resis.: 50,000MΩ
- Life expectancy: 100,000 cycles
- Material: switch base - melamine; nut - brass tin/zinc plated, cover/stop/washers/bushing - brass tin/zinc plated



Part No.	Mfr. Part No.	Type	Pos.	1	10
2135363	05001-05S	1	5	.....	\$4.95 \$4.49

* ALC = Alcoswitch | AMP = AMP/Tyco | BNS = Bourns | C&K = C&K Switches | FJT = Fujitsu | GRY = Grayhill | JVP = Jameco ValuePro | OMN = Omron

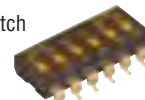
RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Part No.	Product No.	*Mfr.	*Type	Pos.	Pricing		
					1	10	100
2122781	78F02	GRY	1,5	2	\$.75	\$.69	\$.65
109059	206-2-VP-R	JVP	1,5	2	.85	.79	.69
1951385	206-2LP	JVP	2,6	2	.49	.45	.39
2076156	SDAX-2RX-X	BNS	3,5	2	.29	.25	.19
206359	206-3	JVP	1,5	3	.69	.59	.49
202472	ADF03	ALC	2,6	3	.49	.39	.29
696802	DP-04B	JVP	1,4,7	4	.89	.79	.69
38820	DT-04VP	JVP	1,5	4	.85	.75	.65
575365	BD04	C&K	1,5	4	.99	.89	.79
696950	78B04ST	GRY	1,5	4	1.25	1.09	.89
2082231	3-4356405	AMP	1,7	4	.59	.49	.45
696888	76SB04	GRY	1,7	4	1.09	.99	.89
206499	DPS804	FJT	2,4,5	4	.39	.35	.29
139003	206-4LP	JVP	2,5	4	.99	.89	.79
2076164	SDAX-4RX-X	BNS	3,5	4	.29	.25	.19
2076181	SDAX-4RX-T	BNS	3,5	4	.39	.35	.29
2082249	JS8805	JVP	1,6	5	.35	.29	.25
2082505	206-517	JVP	1,7	5	.29	.25	.19
2082513	206-518	AMP	1,8	5	.29	.25	.19
546759	3-435668	JVP	1,8	5	.29	.25	.19
2076674	DPL-06KT	JVP	1,4,7	6	.39	.35	.29
38826	206-6	JVP	1,5	6	.99	.89	.79

*1. Standard; 2. Low Profile; 3. Right Angle; 4. Piano Style; 5. Slide Raised; 6. Slide Flush; 7. Rocker Raised; 8. Rocker Flush

SMT Low Profile DIP Switches

- Insulation resistance: 1000MΩ (min.) across open switch & between adjacent closed switch
- Contact resistance: 100mΩ initial
- Dielectric strength: 300VAC for 1 min.
- Non-switching rating: 100mA or 50VDC max.
- Gold plated beryllium copper contacts, gold flash coated terminals



* Web Code: SDS

* Order in multiples of 10

Part No.	Manufacturer	Product No.	Positions	Type	1	10	100
2076199	Grayhill	90HB104SR	4	SPST	.....	* \$1.19	\$1.19
2144711	AMP/Tyco	390221-5	5	SPST	.....	* .19	.15
1945022	ValuePro	SMT-6PDS	6	SPST	.....	.29 .25	.19

JAMECO ValuePro SPST Round Keylock Switches

- Used in computer and other security systems
- Mounting hole = 0.75" (except P/N 106650 = 0.5")
- Key removable from 2 positions
- Two keys

* Web Code: RAN

105832: All keys are different;
196649: All keys are alike Includes: Mounting nut

JAMECO EXCLUSIVE



Part No.	Cross Ref. No.	No. Flat, Dia.	Length	Terminal	Voltage/Current	1	10	100
106650	KS4B	2, 0.21"	0.55"	Barrel	125VAC/3A	\$5.49	\$4.95	\$4.49
105832	KS3B	2, 0.66"	1.48"	0.25" quick connect	125VAC/6A	5.49	4.95	4.49
196649	3313E-M	2, 0.66"	1.48"	0.25" quick connect	125VAC/6A	5.95	5.49	4.95

Keypads, Tactile Switches & DIP/SIP Relays

JAMECO ValuePro

12-Button Keypads

- Contact resistance: 200Ω max.

Numeric

- 8-pin & 10-pin .100" header
- 10 pin w/ multicolor wires
- Contact rating: 12VDC @ 20mA
- Life test: 1,000,000 cycles per key
- Size: 3.0"L x 2.2"W x 0.6"H (8-pin) white
- Size: 2.5"L x 2.1"W x 0.4"H (10-pin) black

2082206



Part No.	Description	1	10	100
190562	8-pin header keypad	\$6.95	\$6.25	\$4.95
2081828	10-pin wire keypad	2.59	2.25	1.95
2082206	10-pin header keypad	2.95	2.59	2.25

Alpha/Numeric – Nickel

- Contact rating: 24VDC @ 20mA
- Life test: 2,000,000 cycles per key
- Nickel metal form factor and keys
- Size: 4.36"L x 1.56"W x 0.62"H
- Use header (P/N 153702, pg 62) and socket (P/N 103203, pg 65)



Part No.	Description	1	5
2113455	2x6 keypad (8-pin solder pad)	\$9.95	\$8.95

16-Button Indoor/Outdoor Keypads

- 9-pin .100" headers
- Compatible with MOS, TTL and DTL (10Ω max.)
- Contact rating: 24VDC @ 10mA resistive
- Fully sealed snap-dome contact
- Life test: 3,000,000 cycles per key
- Size (housing): 4.7"W x 1.7"H x 0.4"T
- Recommended connector: P/N 103191 header & 100766 pin, pg 65



Part No.	Description	1	10	100
196171	2x8 matrix keypad	\$14.95	\$13.49	\$12.49
152063	4x4 matrix keypad	16.95	15.49	13.95

*Keypads Online — Enter Web Code XBA

JAMECO ValuePro

16-Button Numeric Keypad

- Contact resis.: 200Ω max.
- Contact rating: 24VDC @ 20mA
- Life test: 1,000,000 life cycles per key
- 8-pin male header, use for P/N 153702 (straight) or P/N 153728 (right angle)
- Size: 3.0"L x 2.8"W x 0.6"H



Part No.	Description	1	10	100
169245	4x4 keypad	\$9.95	\$8.95	\$7.95

Aromat EGE KEST HAMLIN

DIP & SIP Relays

- Logic control levels
- Long life with reliable operation
- Excellent for PCB applications
- Compatible with IC sockets
- Compact design/construction
- Moisture resistant



106463



1860088



2081377

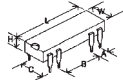


Fig. 1

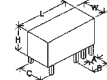


Fig. 2

Part No.	Manufacturer	Product No.	Fig.	Contact Form	Coil Voltage	Coil Ohms	Contact Voltage	Contact Current	Pins	Jameco Socket	Dimensions (L" x W" x H")	Leads (A" x B" x C")	Pricing		
106463	Excel	201A05	1A	SPST-NO	5VDC	500	100VDC	0.5A	8	37162	.78 x .25 x .20	.10 x .40 x .30	\$2.75	\$2.49	\$2.25
138431	Excel	2D1A05	1B	SPST-NO	5VDC	500	100VDC	0.5A	8	37162	.77 x .30 x .22	.10 x .40 x .30	2.75	2.49	2.25
1860088	Hamlin Breed	HE3621A0510	—	SPST-NO	5VDC	1000	200VDC	0.5A	4†	—	.75 x .20 x .30	.20 x .60	1.35	1.19	.99
106472	Excel	201AIZ	1A	SPST-NO	12VDC	1000	100VDC	0.5A	8	37161	.78 x .25 x .20	.10 x .40 x .30	2.19	1.95	1.75
173914	Aromat	DS2YE-S-DC5V	2C	DPDT	5VDC	125	125VAC/100VDC	0.5A/1.25A	8	37401	.79 x .38 x .44	.18 x .28 x .29	2.49	2.25	1.95
139977	ValuePro	RSB5S	2C	DPDT	5VDC	125	120VAC/30VDC	1A/2A	8	37373	.79 x .39 x .37	.20 x .40 x .30	2.75	2.49	2.25
2081414	KEST	KS2E-M-DC5	2C	DPDT	5VDC	128	125VAC/28VDC	1A/2A	8	37373	.83 x .40 x .48	.20 x .30 x .30	2.75	2.49	2.25
2081377	KEST	KS2E-M-DC12	2C	DPDT	12VDC	708	125VAC/28VDC	1A/2A	8	37373	.83 x .40 x .48	.20 x .30 x .30	2.75	2.49	2.25
99311	Aromat (NAIS)	DS2Y-S-DC12V	2C	DPDT	12VDC	720	110VAC/30VDC	0.3A/1A	8	37373	.79 x .40 x .43	.20 x .40 x .30	2.95	2.75	2.49
2081406	KEST	KS2E-M-DC24	2C	DPDT	24VDC	1440	125VAC/28VDC	1A/2A	8	37373	.83 x .40 x .48	.20 x .30 x .30	2.75	2.49	2.25

† SIP

* ESW = E-Switch Inc. | ITT = ITT Cannon | JVP = Jameco ValuePro | OMN = Omron | PAN = Panasonic

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE
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Tactile Switches

*Web Code: QBF

- Bounce time: 10 msec.
- SPST momentary ON
- Lead type: PC
- Contact resistance: 100mΩ

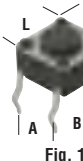


Fig. 1



Fig. 2

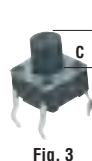


Fig. 3



Fig. 4

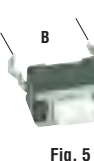


Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9

* Order in multiples of 10

					Dimensions (ins.)				Lead Spacing		Contact Rating	Button	Pricing		
Part No.	Mfr.	Product No.	Fig.	Pins	L	W	D	C	A"	B"	(mA @ VDC)	Color	1	10	100
1586074	PAN	EVQ-PAG04K	1	4	.24	.24	.14	.05	.17	.26	20 @ 12	Black	\$.35	\$.29	\$.25
199726	PAN	EVQ11A04M	2	2	.24	.24	.14	.03	.20	.17	20 @ 15	White	\$.39	\$.35	\$.29
2095120	PAN	EVQ11L07K	2	2	.24	.24	.14	.11	.20	—	20 @ 15	Black	\$.39	\$.35	\$.29
119011	JVP	KT1IBICM	1	4	.24	.24	.15	.03	.17	.25	20 @ 15	Black	\$.35	\$.29	\$.25
149948	JVP	KT11P4CM	3	4	.24	.24	.15	.13	.17	.25	20 @ 15	Black	\$.35	\$.29	\$.25
122973	JVP	DTS1212	4	4	.47	.47	.18	—	.20	.50	20 @ 15	Black	\$.39	\$.35	\$.29
155249	JVP	KRS-3550-BK	5	2	.24	.14	.15	—	—	.27	50 @ 12	Black	\$.39	\$.35	\$.29
155256	JVP	KRS-3550-WH	5	2	.24	.14	.15	.03	—	.26	50 @ 12	White	\$.39	\$.35	\$.29
153252	JVP	SDT620K	1	4	.24	.24	.15	.06	.17	.25	50 @ 12	Black	\$.35	\$.29	\$.25
155380	JVP	KRS-1273B	6	4	.47	.47	.14	.14	.17	.53	50 @ 12	Brown	\$.45	\$.39	\$.35
153251	ESW	TL1105-A	1	4	.24	.24	.15	.06	.17	.25	50 @ 12	Black	\$.29	\$.25	\$.19
202956	JVP	KSM06330	7	2	.24	.24	.15	.38	.11	.18	50 @ 24	Red	*	\$.09	\$.08
162886	OMN	B3F-1000	1	4	.24	.24	.13	.03	.17	.25	50 @ 24	White	\$.39	\$.35	\$.29
1953575	OMN	B3F-3122	8	4	.29	.29	.25	.06	.17	.28	50 @ 24	Gray	\$.35	\$.29	\$.25
2076261	OMN	B3E-1100-Red*	7	4	.24	.24	.19	.07	.17	.25	50 @ 24	Red	*	\$.19	\$.15
2076287	OMN	B3E-1300-Green*	7	4	.24	.24	.19	.07	.17	.25	50 @ 24	Green	*	\$.19	\$.15
2076252	ITT	KSC121JB	9	4	.24	.24	.10	—	.15	.26	50 @ 32	Gray	*	\$.09	\$.07
2076148	JVP	KFC-A12-A	1	4	.47	.47	.15	.08	.17	.50	100 @ 50	Black	\$.35	\$.29	\$.25

* Illuminated

♦ See switch cap below

Tactile Switch Caps



155389

155409

Order in multiples of 10

Part No.	Mfr.	Cross Ref. No.	Description	Dimensions	Material	For Use With	10	100	1000
155389	JVP	KRS-CAP-A	Square	.47"L x .47"W x .16"H	Plastic	P/N 155380	\$.15	\$.12	\$.09
155409	JVP	KRS-CAP-B	Round	.50"Dia. x .25"H	Plastic	P/N 155380	.15	.12	.09

Switch Assortment Kit

SAVE \$96

- 20-drawer component cabinet (319600)
- 20 clear dividers (319611), pg 153
- 20 clear plastic drawers (319601)
- 10 ea. miniature toggle switches (76523, 21936, 21910, 26332, 26315, 21979, 21952, 26367, 26358), pg 76
- 30 adhesive labels for drawers to identify parts in kit
- 10 ea. pushbutton switches (26623, 26649), pg 74
- 10 ea. slide switches (109171), pg 73
- 10 ea. DIP switch (38843), pg 78
- 10 ea. tactile switches (153252), above



Part No.	Description	Wt. (lbs.)	1	5
85059	150 pcs. switch kit	5.0	\$99.95	\$89.95

*Web Code: QAN

DIP & SIP Relays

- Logic control levels
- Long life with reliable operation
- Excellent for PCB applications
- Compatible with IC sockets
- Compact design/construction
- Moisture resistant



106463



1860088



2081377

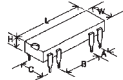


Fig. 1

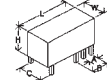


Fig. 2

Part No.	Manufacturer	Product No.	Fig.	Contact Form	Coil Voltage	Coil Ohms	Contact Voltage	Contact Current	Pins	Jameco Socket	Dimensions (L" x W" x H")	Leads (A" x B" x C")	Pricing		
106463	Excel	201A05	1A	SPST-NO	5VDC	500	100VDC	0.5A	8	37162	.78 x .25 x .20	.10 x .40 x .30	\$2.75	\$2.49	\$2.25
138431	Excel	2D1A05	1B	SPST-NO	5VDC	500	100VDC	0.5A	8	37162	.77 x .30 x .22	.10 x .40 x .30	2.75	2.49	2.25
1860088	Hamlin Breed	HE3621A0510	—	SPST-NO	5VDC	1000	200VDC	0.5A	4†	—	.75 x .20 x .30	.20 x .60	1.35	1.19	.99
106472	Excel	201AIZ	1A	SPST-NO	12VDC	1000	100VDC	0.5A	8	37161	.78 x .25 x .20	.10 x .40 x .30	2.19	1.95	1.75
173914	Aromat	DS2YE-S-DC5V	2C	DPDT	5VDC	125	125VAC/100VDC	0.5A/1.25A	8	37401	.79 x .38 x .44	.18 x .28 x .29	2.49	2.25	1.95
139977	ValuePro	RSB5S	2C	DPDT	5VDC	125	120VAC/30VDC	1A/2A	8	37373	.79 x .39 x .37	.20 x .40 x .30	2.75	2.49	2.25
2081414	KEST	KS2E-M-DC5	2C	DPDT	5VDC	128	125VAC/28VDC	1A/2A	8	37373	.83 x .40 x .48	.20 x .30 x .30	2.75	2.49	2.25
2081377	KEST	KS2E-M-DC12	2C	DPDT	12VDC	708	125VAC/28VDC	1A/2A	8	37373	.83 x .40 x .48	.20 x .30 x .30	2.75	2.49	2.25
99311	Aromat (NAIS)	DS2Y-S-DC12V	2C	DPDT	12VDC	720	110VAC/30VDC	0.3A/1A	8	37373	.79 x .40 x .43	.20 x .40 x .30	2.95	2.75	2.49
2081406	KEST	KS2E-M-DC24	2C	DPDT	24VDC	1440	125VAC/28VDC	1A/2A	8	37373	.83 x .40 x .48	.20 x .30 x .30	2.75	2.49	2.25

† SIP

* ESW = E-Switch Inc. | ITT = ITT Cannon | JVP = Jameco ValuePro | OMN = Omron | PAN = Panasonic

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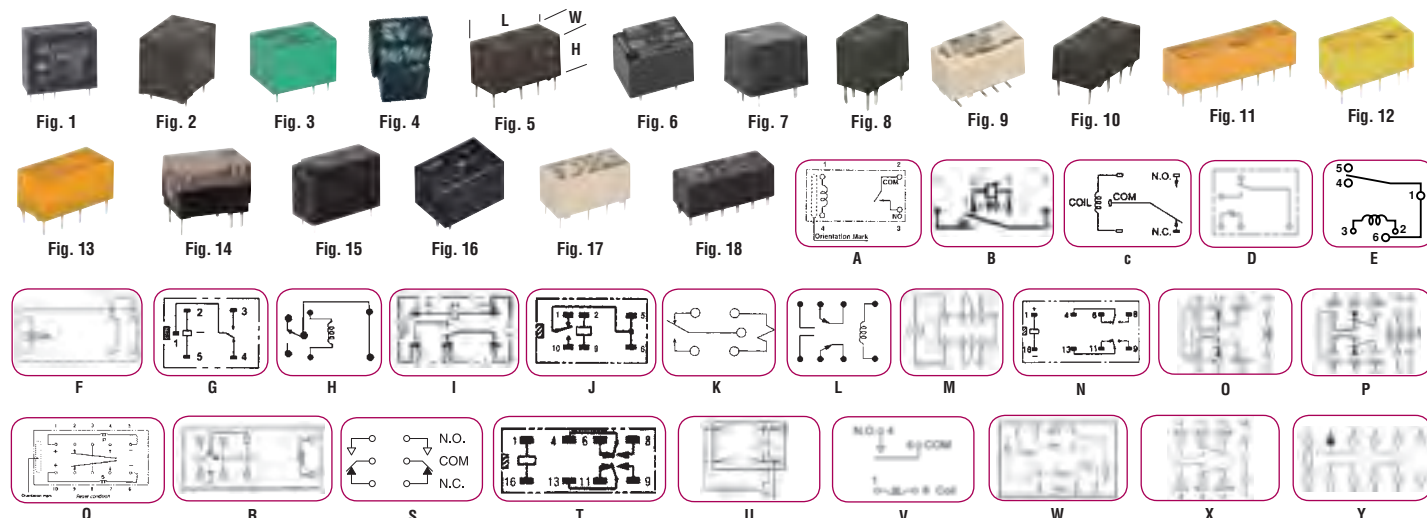
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Small PC Mount Relays

Designed for the appliance and temperature control markets, these relays are also well suited for automotive load management.

- Mechanical life: 10 million operations
- Electrical life: 100,000 operations
- Dielectric strength: 1500V_{RMS} (between contact and coil)

* Web Code: SAV



Part No.	Manufacturer	Mfr. Part No.	Potter & Brumfield Cross Reference	Fig.	Contact Form	Coil Voltage	Coil (Ohms)	Contact Current	Contact Voltage	Pins	Dimensions (L" x W" x H")	Pricing		
												1	10	50
2077394	Fujitsu	JV-3S-KT	—	1A	SPST-NO	3VDC	45	5A	250VAC/30VDC	4	.69 x .39 x .49	\$2.49	\$2.25	\$1.95
1860070	Hamlin	HE3621A0500	—	1B	SPST-NO	5VDC	500	1A	200VDC	4	.75 x .19 x .30	1.75	1.55	1.25
2129828	Aromat	JW1AFEN-DC12	—	15V	SPST	12VDC	270	10A	250VAC/30VDC	4	1.12 x .50 x .79	.99	.89	.75
2077378	Fujitsu	FBR161NED006-WB	—	2C	SPST	6VDC	100	10A	120VAC/30VDC	5	.85 x .63 x .63	1.49	1.25	1.09
2120217	Bestar	BS-114	—	3D	SPST	12VDC	320	10A	120VAC/30VDC	5	.85 x .63 x .63	1.95	1.75	1.49
145753	Rayex*	L90A-12W	T90S1D12-12	4E	SPST	12VDC	155	30A/20A	240VAC/28VDC	5	1.2 x 1.0 x .77	2.95	2.75	2.25
2125350	Panasonic	ALZ21B24	—	5F	SPST	24VDC	1440	16A	440VAC	6	1.13 x .49 x .62	1.49	1.25	1.09
134949	Rayex	L90-5W	T90S5D12-5	4E	SPDT	5VDC	27	20A	240VAC/28VDC	6	1.3 x 1.1 x .80	2.25	1.95	1.75
187151	Omron	G5LE-1DC5	—	2G	SPDT	5VDC	63	10A/8A	120VAC/30VDC	5	.90 x .65 x .75	1.49	1.35	1.19
843155	Panasonic	JS1-5V	T7C55D-05	6C	SPDT	5VDC	69.4	10A/5A	250VAC/100VDC	5	.87 x .63 x .63	1.29	1.19	1.05
174450	Rayex	LU-5	T81H5D215	7H	SPDT	5VDC	125	1A/2A	120VAC/24VDC	6	.60 x .40 x .45	1.95	1.69	1.49
187240	Omron	G5V-1-DC5	T5C-105L3H	8J	SPDT	5VDC	166.7	.5A/1A	125VAC/24VDC	6	.50 x .30 x .40	2.95	2.59	2.35
2131805	Fujitsu	FBR211AD006M	—	14U	SPDT	6VDC	80	.5A/1A	120VAC/28VDC	6	.59 x .40 x .41	1.25	1.09	.95
2159197	Rayex	LEG-9F	—	7L	SPDT	9VDC	225	15A	125VAC/24VDC	5	.73 x .59 x .61	1.95	1.75	1.49
2155081	ValuePro	895-1C-S-12VDC	—	6E	SPDT	12VDC	225	20A	14VDC	5	.61 x .47 x .54	1.49	1.25	1.09
144186	Velleman	JZC-22F	VR15M121C	7K	SPDT	12VDC	337	15A	120VAC/28VDC	5	.80 x .64 x .80	1.95	1.75	1.49
174432	Rayex	LEG-12F	T7CS5D12	7K	SPDT	12VDC	400	15A	120VAC/24VDC	5	.76 x .62 x .60	2.25	2.09	1.89
184461	Omron	G5V-1-DC12	—	8J	SPDT	12VDC	960	.5A/1A	125VAC/24VDC	6	.50 x .30 x .40	2.49	2.29	2.09
172937	Nais (Aromat)	JS1-12V	T72M5D121-12	6C	SPDT	12VDC	400	10A/5A	125VAC/24VDC	5	.85 x .62 x .63	1.55	1.39	1.19
843201	Aromat/Panasonic	JW1FSN-DC24	RTB14024F	15D	SPDT	24VDC	1100	10A/10A	250VAC/30VDC	5	1.11 x .49 x .78	2.25	1.95	1.75
187400	Omron	G6E-134P-ST-US-DC48	—	8I	SPDT	48VDC	5760	.4A/2A	125VAC/30VDC	5	.63 x .39 x .33	1.49	1.25	1.09
2135726	NEC	EP2-3NIST**	—	16W	DPST	12VDC	225	25A	30VDC (max.)	10	.94 x .64 x .63	1.95	1.75	1.59
2133528	Siemens	V23042-C2108-B101	—	17Y	DPDT	3VDC	90	5A	220VAC/250VDC	8	.80 x .40 x .42	1.75	1.49	1.25
2135291	NEC	EC2-4.5NFR	—	5T	DPDT	4.5VDC	145	2A	125VAC/220VDC	8	.59 x .30 x .37	1.95	1.75	1.49
2095390	ValuePro	V23079A1011B301	—	5M	DPDT	4.5VDC	145	2A	250VAC/220VDC	10	.57 x .28 x .39	1.75	1.49	1.25
2077415	Fujitsu	BA-5W-K	—	10L	DPDT	5VDC	100	.5A/1A	125VAC/30VDC	8	.59 x .29 x .38	2.25	1.95	1.75
187282	Omron	G6A-234PSTUSDC5	C93416	10N	DPDT	5VDC	125	.3A/1A	125VAC/30VDC	8	.80 x .33 x .40	4.95	4.49	—
842953	Panasonic	DS2E-S-DC5V	—	11O	DPDT	5VDC	125	2A	125VAC/30VDC	8	.79 x .39 x .39	4.49	3.95	3.59
843649	Panasonic	TXA2SA-5V	—	9L	DPDT	5VDC	178	2A	30VDC	8	.59 x .29 x .22	2.95	2.75	2.49
2081650	NEC	EC2-5NJ	—	5L	DPDT	5VDC	178	2A	220VAC/220VDC	8	.59 x .30 x .37	2.49	2.25	1.95
2120516	Panasonic	DS2Y-SL2-DC6V†	—	12P	DPDT	6VDC	200	2A	250VAC/220VDC	10	.79 x .39 x .37	2.75	2.49	2.25
2077386	Fujitsu	AL-D9W-K	—	10Q	DPDT	9VDC	45	.5A/1A	125VAC/30VDC	10	.55 x .35 x .20	2.95	2.75	2.49
174378	Rayex	LM2-12D	RKA5DZ12	1R	DPDT	12VDC	270	5A	250VAC/30VDC	8	1.2 x .48 x 1.0	3.25	2.95	2.69
187258	Omron	G5V-2-DC12	—	5S	DPDT	12VDC	288	.5A/2A	125VAC/30VDC	8	.81 x .40 x .45	3.25	2.95	2.69
842873	Panasonic	DS2E-ML2-DC12V	—	13S	DPDT	12VDC	400	2A	250VAC/220VDC	10	.79 x .39 x .39	5.95	5.49	4.95
2133499	SDS/Panasonic	S3-12V	—	18X	DPDT	12VDC	720	4A	250VAC/30VDC	12	1.11 x .48 x .41	5.95	5.49	4.95
2078274	Fujitsu	FBR46D024	—	10N	DPDT	24VDC	2880	.5A/1A	120VAC/30VDC	8	.63 x .39 x .33	1.75	1.49	1.25
2139049	Omron	G5V-2-HI-DC24	—	5T	DPDT	24VDC	2880	.83A	125VAC/125VDC	8	.81 x .40 x .45	1.95	1.75	1.49

* Manufacturer may vary

** Automotive, dual relay, separate type

SIP package

\$ Non latching

† Latching

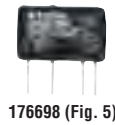
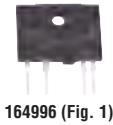
RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Solid State, Enclosed & Reed Relays

DC/AC and DC/DC Solid State Relays



★ Web Code: DBA



Part No.	Mfr.	Mfr. Part No.	Control Voltage	Type	Contact Form	Contact Voltage	Contact Current	Pins	Fig.	Terminal Type	Agency Approval	Dimentions (L" x W" x H")	Pricing		
													1	10	50
Solid State Relays DC/AC Type															
164988	Sharp	S101S02	1.2VDC@20mA	DC/AC	SPST	125VAC	1.5A	4	1	Solder lead	UL/CSA	0.9 x .16 x .63	\$3.95	\$3.39	\$2.95
164996	Sharp	S202TA1	1.2VDC@20mA	DC/AC	SPST	200VAC	2.0A	4	1	Solder lead	UL/CSA	0.9 x .16 x .63	4.95	4.49	3.95
153059	Rayex	RSR2ND-A24003	4-32VDC	DC/AC	SPST	240VAC	3A	4	2	Solder lead	UL	1.7 x 0.4 x 2.0	9.95	8.95	7.95
162342	Excel	ESR51024-010	3-32VDC	DC/AC	SPST	240VAC	10A	4	3	Screw terminal	UL	1.7 x 1.1 x 2.3	18.95	16.95	15.49
186992	Omron	G3NA-210B-DC5-24	5-24VDC	DC/AC	SPST	240VAC	10A	4	4	Screw terminal	UL/CSA	1.7 x 1.1 x 2.3	19.95	18.95	17.95
187004	Omron	G3NA-220B-DC5-24	5-24VDC	DC/AC	SPST	240VAC	20A	4	4	Screw terminal	UL/CSA	1.7 x 1.1 x 2.3	22.95	21.95	20.95
162369	Excel	ESR51024-025	3-32VDC	DC/AC	SPST	240VAC	25A	4	3	Screw terminal	UL	1.7 x 1.1 x 2.3	21.95	20.95	19.95
162406	Excel	ESR51024-040	3-32VDC	DC/AC	SPST	240VAC	40A	4	3	Screw terminal	UL	1.7 x 1.1 x 2.3	19.95	18.95	17.95
175214	Kyoto	KB20C02A	3-32VDC	DC/AC	SPST	280VAC	2A	4	5	Solder lead	CE	1.4 x 0.3 x 1.5	7.95	7.29	6.59
127790	Crydom	D2W202F	13-32VDC	DC/AC	SPST	280VAC	2A	4	6	Solder lead	UL/CSA	1.7 x 0.4 x 1.3	10.95	9.95	8.95
176698	Kyoto	KB20C06A	3-32VDC	DC/AC	SPST	280VAC	6A	4	5	Solder lead	CE	1.4 x 0.3 x 0.9	10.95	9.95	8.95
176719	Kyoto	KD20C40AX	4-32VDC	DC/AC	SPST	280VAC	40A	4	7	Screw terminal	UL/CE	1.7 x 0.9 x 2.3	19.95	17.95	15.95
176736	Kyoto	KD20C75AX	3-32VDC	DC/AC	SPST	280VAC	75A	4	7	Screw terminal	UL/CE	1.7 x 0.9 x 2.3	24.95	23.95	22.95
Solid State Relays DC/AC Type															
172591	Kyoto	KF0602D	3-32VDC	DC/DC	SPST	60VDC	2A	4	5	Solder lead	CE	1.4 x 0.3 x 0.9	\$9.95	\$8.95	\$7.95
175222	Kyoto	KF0604D	3-32VDC	DC/DC	SPST	60VDC	4A	4	5	Solder lead	CE	1.5 x 0.3 x 0.9	9.95	8.95	7.95
2144737	Teledyne	C47F-20	3.8-32VDC	DC/DC	SPST	90VDC	1A	4	8	DIP-14	—	.75 x .25 x .17	7.95	6.95	6.25
176648	Kyoto	KG1005D	3-32VDC	DC/DC	SPST	120VDC	5A	4	7	Screw terminal	CE	2.3 x 1.7 x 0.9	19.95	18.95	17.95
176655	Kyoto	KG1010D	3-32VDC	DC/DC	SPST	120VDC	10A	4	7	Screw terminal	CE	2.3 x 1.7 x 0.9	24.95	22.49	19.95



OptoMOS® Solid State Relays

★ Web Code: WDX



A



B



Part No.	Mfr. Part No.	Package	Description	Schem.	Load Voltage ¹ (V)	Current Handling (mA)	On-Resistance (Ω)	Isolation Voltage (Vrms)	Input Control Current (mA)	Off-State Leakage (μA)	Switching Speed (on/off) (ms)	Pricing		
												1	10	50
1583041	LCA710	DIP-6	Single pole, 1-Form-A	A	60	1000	0.5	3750	10	1	2.5/0.25	\$4.95	\$4.49	\$3.95
1582997	LCA110	DIP-6	Single pole, 1-Form-A	B	350	120	35	3750	2	1	3/3	2.25	1.95	1.59
1582903	LAA110	DIP-8	Dual single pole, 1-Form-A	C	350	120	35	3750	5	1	3/3	3.95	3.75	3.49



C

Potter & Brumfield Equivalent Plastic Enclosed Construction Relays

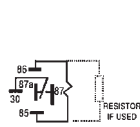
VF Series

- Dielectric strength: 500VDC (between contact & coil)
- Operating temp.: -35°C to +85°C
- Contact current: 40A
- Coil voltage: 12VDC
- Terminal type: quick connect
- Normally open (NO)
- Dimensions: 1.1"L x 1.1"W x 1.0"H



Schematic 1

★ Web Code: PBB



Schematic 2



171433 (Fig. 1)



171442 (Fig. 2)



171460 (Fig. 3)

Part No.	Mfr.	Product No.	P&B Cross Ref. No.	Fig.	Contact Form	Coil Ohms	Coil Voltage	Contact Schematic	Pins	Pricing		
										1	10	50
1810179	Rayex	LD1A-12BP	—	2	SPST-NO	80	12VDC	1	4	\$2.25	\$1.95	\$1.75
171460	Rayex	LD1A-12F	—	3	SPST-NO	80	12VDC	1	4	2.95	2.69	2.39
171442	Rayex	961A-1A12D	—	2	SPST-NO	80	12VDC	1	4	2.49	2.19	1.89
171522	Rayex	LD5F	VF4-45D11	3	SPDT	14	5VDC	2	5	1.95	1.75	1.49
148583	Rayex	LD12F	VF4-85F11	1	SPDT	78	12VDC	2	5	2.95	2.59	2.29
2094135	Sanyou	SARL-112D	VF4A-15F11	2	SPDT	80	12VDC	2	5	3.95	3.59	3.25
2094151	Sanyou	SARL-112DF	VF45A-45F11	1	SPDT	80	12VDC	2	5	3.95	3.59	3.39
171433	ValuePro	961A-1C-12DM	VF4-81F11	1	SPDT	90	12VDC	2	5	3.25	2.95	2.69
2094186	Sanyou	SARL-125D	VF4A-15F11	2	SPDT	320	24VDC	2	5	3.95	3.59	3.19
2094194	Sanyou	SARL-124DF	VF4A-45H11	1	SPDT	320	24VDC	2	5	3.95	3.59	3.25

* PCB terminals

† Comes with a removable clip

Reed Type Relays

- Contact form: SPST-NO
- Terminal type: PCB solder
- Contact voltage:
 - 111448: 120VAC/60VDC;
 - 2099358: 150VAC/VDC
- Coil voltage @ contact rating:
 - 111448: 12V @ 11.4mA;
 - 2099358: 12VDC @ 0.1A
- Dimensions: 111448: 1.0"L x 0.37"W x 0.38"H;
- 2099358: 0.82"L x 0.25"W x 0.27"H



111448

Part No.	Product No.	Pins	1	10	50
111448	BR-1050	4	\$1.95	\$1.75	\$1.49
2099358	2900-0043	5	1.49	1.25	1.09

Relay Socket with Coil Diode

VF Series

- 14 AWG: 2 black & 1 blue wire; 18 AWG: 1 black & 1 red wire (7.5" length)
- Contact voltage/current: 12V/20A
- Diode coil suppression
- Use with P/N 148583 (left)



Part No.	Product No.	1	10	50
170624	RSD03	\$2.49	\$2.25	\$2.09

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

4 LEVELS OF SAVINGS			
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

Power Relays, Relay Sockets, Thermistors & Photocells

4 LEVELS OF SAVINGS			
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE

For complete specifications visit www.Jameco.com

*Web Code: GPR

General Purpose Power Relays

Part No.	Mfr.	Product No.	Contact Form	Rating	Contact Rating	Coil Resis.	Contact Type	1	10	50
2139057	P&B	T92P7D22-24	DPDT-NO	24VDC @ 70mA	30A, 277VAC	350Ω	.250" quick connect	\$6.95	\$6.29	\$5.59
454571	Omron	G7L-1A-TUB-CB-DC24	SPST-NO	24VDC @ 79mA	25A, 220VAC	303Ω	.250" quick connect	6.95	6.29	5.69
611928	P&B	T9AP1D52-48-03	SPST-NO	48VDC @ 21mA	30A, 240VAC	2304Ω	Quick connect .187" for coil/.250" for contacts	4.49	3.95	3.69
137358	ValuePro	953-1C12DM-R	SPDT	12VDC @ 77mA	20A, 240VAC/28VDC	155Ω	Quick connect .110" for coil/.250" for contacts	2.95	2.75	2.49
552462	P&B	PRD-7AG0-120	DPST-NO	120VAC @ 85mA	30A, 240VAC	290Ω	Screw: #8-32 for main; #6-32 for contacts	33.95	31.95	29.95

2139057

454571

611928

137358

552462

General Purpose Blade and Octal Relays

- UL/CSA approved
- Industry standard termination for quick installation
- Wide range of coil voltages for industrial and commercial applications



*Web Code: ACF



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5

Part No.	Mfr.	Product No.	Fig.	Contact Form	Coil Voltage	Contact Rating	Coil Resis. (Ω)	Coil Current (mA)	Mating Socket*		Pricing		
									Standard	DIN Rail	1	10	50
2119996	Omron	G2R-1-E-ASL	2	SPDT	24VDC	16A @ 250VAC; 16A @ 30VDC	1100	21.8	—	—	\$1.95	\$1.75	\$1.49
2093079	Omron	LY2F-DC12	1	DPDT	12VDC	10A @ 24VDC; 10A @ 110VAC	160	75	PT08	175531	5.95	5.39	4.25
139766	Rayex	MK2P-I	3	DPDT	12VDC	10A @ 28VDC; 10A @ 240VAC	120	10	141145	141145	7.95	7.29	5.95
282378	P&B	KRPA-11DG-12	4	DPDT	12VDC	10A @ 240VAC	120	100	282132	—	17.95	16.95	15.95
172719	ValuePro	LB2-12DS-R	1	DPDT	12VDC	12A @ 30VDC; 12A @ 240VAC	160	75	175531	282191	6.49	5.95	5.49
282255	P&B	K10P-11D15-12	5	DPDT	12VDC	15A @ 30VDC; 15A @ 120VAC	160	75	282191	282191	9.95	8.95	7.95
282386	P&B	KRPA-11DG-24	4	DPDT	24VDC	10A @ 240VAC	472	51	282132	—	16.95	15.49	13.95
175565	ValuePro	LB2-24DS-R	1	DPDT	24VDC	12A @ 30VDC; 12A @ 240VAC	650	37	175531	282191	6.49	5.95	5.49
282263	P&B	K10P-11D15-24	5	DPDT	24VDC	15A @ 30VDC; 15A @ 120VAC	650	37	282191	282191	9.95	9.49	8.95
175573	ValuePro	LB2-110ASR	1	DPDT	110VAC	12A @ 30VDC; 12A @ 240VAC	3,900	28	175531	282191	6.95	6.29	5.25
139740	Beta	BTAG-2C-J-CW-120VAC	3	DPDT	120VAC	10A @ 28VDC; 10A @ 240VAC	1,700	122	141145	141145	7.95	6.95	5.75
282247	P&B	K10P-11A15-120	5	DPDT	120VAC	15A @ 30VDC; 15A @ 120VAC	3,900	11	282191	282191	9.95	8.95	7.95
282301	P&B	KHAU-17D11-12	5	4PDT	12VDC	3A @ 28VDC; 3A @ 120VAC	160	100	496958	—	11.95	11.49	10.95
175570	ValuePro	LB4H-12DS-R	1	4PDT	12VDC	5A @ 30VDC; 5A @ 240VAC	160	75	175557	175557	4.95	4.49	3.95
175602	ValuePro	LB4H-24DS-R	1	4PDT	24VDC	5A @ 30VDC; 5A @ 240VAC	650	37	175557	175557	5.49	4.95	4.49
175611	ValuePro	LB4H-110AS-R	1	4PDT	110VAC	5A @ 30VDC; 5A @ 240VAC	3,900	28	175557	175557	5.95	5.49	4.95

* For sockets see below † PCB ‡ = Silver-cadmium oxide, no lamp

Blade and Octal Relay Sockets

141145/175531/282191/282132: 8-pin DPDT

175557/496958: 14-pin 4PDT

*Web Code: TEM



141145



282191



282132



496958

Part No.	Mfr.	Product No.	Relay Series	Type	1	10	50
141145	Beta	PF-083A	BTA1	Combo†	\$3.95	\$3.69	\$2.95
175531	ValuePro	27E895	K10	Combo†	4.39	3.95	3.69
282191	P&B	27E895	K10	DIN Rail	7.49	6.95	6.25
282132	P&B	27E122	KRP/KRPA	Standard	6.95	6.25	5.59
175557	ValuePro	27E894	KHUA	DIN Rail	3.75	3.49	3.19
496958	P&B	27E166	KHA/KHUA	Standard	9.95	8.95	7.95

† Combo: DIN rail or screw terminal

NTC Thermistors

- Typical applications: temperature measurement/control/compensation; power supply fan control; PCB temperature monitoring
- Max. allowable power (@ 250°C): 0.55W
- Thermal dissipation factor: 6.5mW/°C (@ 250°C)
- Resistance value allowable difference: 10%

*Web Code: RBG

Part No.	Product No.	Resistance (Ω @ 25°C)	B Constant (25/50°C >10%)	Temp. Coef. @25°C (%/°C)	Pricing		
					1	10	100
207521	NTC-101	100	3100	-3.5	\$.59	\$.55	\$.45
207511	NTC-201	200	3100	-3.5	.59	.55	.45
207483	NTC-102	1k	3800	-4.3	.59	.55	.45
207466	NTC-302	3k	3900	-4.4	.59	.55	.45
207441	NTC-502	5k	3900	-4.4	.59	.55	.45
207037	NTC-103	10k	4100	-4.6	.59	.55	.45
1871852	NTS40XH103FE1B0	10k	3434	-4.6	.99	.89	.79
207002	NTC-503	50k	4200	-4.7	.59	.55	.45
206991	NTC-104	100k	4400	-4.9	.59	.55	.45
206982	NTC-1204	200k	4500	-5.1	.59	.55	.45

Cadmium Sulfide (CdS) Photocells

*Web Code: CBG

- Generate variable signal based on detection of light levels
 - Operating temperature: -30°C to +70°C
 - Soldering: 230°C for 3 seconds
- Applications: Auto-focus lenses, exposure meters, contrast controls for TVs, dimmer or light switches, flame detectors, electronic toys, street lamp switches, optocouplers

Part No.	Cross Ref. No.	Rating		Resistance (Ω)		Size (inches)		Lead Spacing (inches)	Lead Length (inches)	Pricing			
		Vp	mW	Dark	Light	A	B			1	10	100	500
202438	CDS0029001	150	90	300k	4k	0.14	0.17	0.10	1.02	\$1.49	\$1.35	\$1.19	\$.95
120310	CDS0029004	150	90	2M	27k	0.14	0.17	0.10	1.44	1.49	1.35	1.19	.95
202391	CDS0029203	150	90	10M	5k	0.14	0.17	0.10	1.02	1.49	1.35	1.19	.95
202382	CDS0029008	150	90	20M	10k	0.14	0.17	0.10	1.02	1.49	1.35	1.19	.95
202403	CDS0018001	150	100	200k	3k	0.17	0.20	0.13	1.02	1.15	.99	.89	.79
202420	CDS0018003	150	100	500k	16k	0.17	0.20	0.13	1.02	1.15	.99	.89	.79
202411	CDS0018006	150	100	5M	80k	0.17	0.20	0.13	1.02	1.15	.99	.89	.79
120301	CDS0037001	200	150	300k	3k	0.25	0.29	0.20	1.02	1.49	1.35	1.19	.95
202438	CDS0037004	200	150	500k	15k	0.25	0.29	0.20	1.02	1.49	1.35	1.19	.95
120299	CDS0045001	350	400	300k	8k	0.37	0.43	0.30	1.44	1.79	1.59	1.45	1.19
202454	CDS0045003	350	400	1M	12k	0.37	0.43	0.30	1.44	1.79	1.59	1.45	1.19

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Centrifugal Force Switch & Sensors

liquidware

Arduino Compatible Sensors

These sensors are ready for plug and play installation for mediate use.

2127662: • Supply voltage: -0.3V to +7.0V

• Can be mounted directly into the analog pins of Arduino

2160104: • LIS302SG chip, ±2g

• Built-in 5V tolerance protection

2127689: • 0-360° heading output

• +5V tolerant I/O, 4-pin male header

Part No.	Description	1	5
2127662	Ambient light sensor	\$6.95	\$6.25
2160104	3-axis accelerometer	24.95	22.49
2127689	Compass module	49.95	47.95

NEW
MARKED IN PINK

* Web Code: ACS



Centrifugal Force Switch

- Contact rating: 0.4VA (max.) @ 20VAC or 20VDC
- Normally open (NO) • Triggers @ 1.5g (min.) to 5g
- Dielectric strength: 500VDC min. for 1 min.
- Insulation resistance: 1000MΩ (min.)
- Life: 100,000 cycles (typical) • Applications: rotational devices, tire centrifugal force detection, direction or axis motion, motion control

Part No.	Product No.	Description	1	10	100
2126563	RV-RUG-00-000-BB	Centrifugal force switch	\$1.25	\$0.99	\$0.89



Digital Hall-Effect Magnetic Proximity Sensors

Flange Mount • Applications: door position sensing, flow sensing, pedal switch

- Capable of millions of operations
- Reverse battery protection to -24VDC
- Output saturation voltage max.: 400mV
- Meets IEC529 IPX5 for water protection
- Output wire: 3-wire sink
- Operating voltage range: 4.5-24VDC

Part No.	Mfr. Part No.	Supply Curr. Max. (mA)	Output Curr. Max. (mA)	Op. Point Gauss (max.)	Rel. Point Gauss (min.)	Function	Pricing		
							1	10	25
513252	MP101401	5.2	20	185 (south)	60 (south)	Unipolar switch	\$6.95	\$6.49	\$5.95
513261	MP102103	12	25	300 (north)	195 (north)	Switch	5.95	5.59	5.25

* Web Code: CCC



Hall-Effect Magnetic Proximity Sensor

- With Snap-Fit Mount
- Operating voltage range: 4.75-24VDC
- No mechanical contacts to wear out
- South pole sensitive or bi-polar latch
- Output saturation voltage max.: 400mV
- Output: 3-wire sink
- Immune to dust, dirt, & moisture
- Digital output compatible with all logic families
- Operating temp. range: -40°C to 85°C
- Reverse polarity protection to -24V

Part No.	Mfr. Part No.	Supply Curr. Max. (mA)	Output Curr. Max. (mA)	Op. Point Gauss (max.)	Rel. Point Gauss (min.)	Wire	Pricing		
							1	5	25
513244	MP101301	4	25	300	60	24AWG x 1m	\$5.95	\$5.49	\$4.95



Magnetic Proximity Sensor Cylindrical Plastic Housing

- Omnipolar, magnetically activated switch
- Hermetically sealed
- Contact resistance: 0.2Ω max.
- Resistant to dirt and moisture
- Can be approached by any magnet from any angle with either pole
- Zero power consumption
- Breakdown voltage: 200VDC min.
- Operating temp. range: -40°C to 105°C

Part No.	Mfr. Part No.	Contact Form	Power (W)	Switching Volt. Max. (VDC)	Switching Curr. Max. (A)	Op. Time Typical (ms)	Pricing		
							1	10	100
513308	MP201701	SPST NO	10	175	0.5	0.5	\$2.95	\$2.69	\$2.39

Relative Humidity Sensors

- Linear volt. output vs %RH
- Voltage & current: 4 to 5.8VDC @ 500µA max.
- Accuracy: ±3.5% RH
- Operating temp.: -40°C to 85°C
- 0.10" lead pitch SIP with calibration & data printout

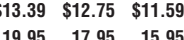
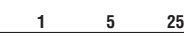
1860230: 0.05" lead pitch SIP

1860248: 0.10" lead pitch SIP w/ calibration & data printout

Part No.	Mfr. Part No.	1	5	25
1860230	HH-4000-002	\$13.39	\$12.75	\$11.59
1860248	HH-4000-003	19.95	17.95	15.95



NEW
MARKED IN PINK



Pressure Sensor

- Differential pressure 0 to 5 psid pressure range
- Max. load pressure: 2X rated pressure
- 1/8" dia. tubing applicable
- Pressure media: non-corrosive gas, non-ionic fluids
- Size: 0.55"L x 0.47"W x 0.28"H

Part No.	Mfr. Part No.	1	5	25
2151161	SCC05DD4	\$14.95	\$13.49	\$11.95



Digital/Analog Distance Sensors



These sensors are small in size and can be placed just about anywhere on your project.

2136462: 3-pin header connection (included)

2150256: Connects with 3-pin JST connector (P/N 2143881, not included)

* Web Code: PDS

Part No.	Mfr.	Mfr. P/N	Digital/Analog	Detection Range	Res. Time	1	5
2136462	Pololu	1134	Digital	0.8" to 4"	2.56 ms	\$6.95	\$6.29
2150256	Parallax	28995	Analog	3.9" to 31.5"	38.0 ms	14.95	13.95
2143881	Pololu	117	3-pin female JST cable for distance sensors			1.09	.99

Waterproof Temperature Sensor Cables

NEW
MARKED IN PINK

Multiple sensors can be daisy-chained on a single CAT5 network that can extend up to 200 meters or more in a typical environment.

- Digital sensor with 12-bit resolution
- Accuracy: ±0.5°C
- Jacketed cable length: 3'
- Temp. range: 14°F to 185°F (-10°C to +85°C)
- Supply voltage: 3-5.5V @ 1-1.5mA

Part No.	Description	* Web Code: WSS	Wire Gauge	1	5
2153502	Epoxy-hardened potted tip		20 AWG	\$12.95	\$11.95
2153511	Stainless steel sensor probe		20 AWG	18.95	17.49

Solid State Digital Position Sensors

- High output current capability -50mA absolute max.
- Oper. temp. range: -40°C to 150°C
- 3-pin SIP package
- Output type: sink
- Output volt./curr.: 40mV/20mA max.
- Supply current: 10mA max.
- Supply voltage:

1915915/1915886: 3.8VDC to 30VDC

1915940: 3VDC to 6.5VDC

Part No.	Mfr. Part No.	Type	1	10	100
1915915	SS466A	Latching ..	\$1.19	\$0.99	\$0.89
1915940	SS49E	Sourcing	1.59	1.35	1.25
1915886	SS441A	Bipolar	1.25	1.09	.95

* Web Code: DPS



Hall Effect Sensors

- Supply voltage range: 4.5V-24V
- Supply current: 9mA max.
- Operating temperature up to 150°C

Part No.	Product No.	BOP/BRP* @ 25°C	1	10
1871879	OH180U	180/140 gauss	\$2.95	\$2.75
1915835	RS41	40/-40 gauss	1.19	.99

*BOP = Magnetic Operating Point; BRP = Magnetic Release Point



Gear Tooth Speed Sensor

Commercial Grade Hall-Effect

- Operating voltage range: 4.5-24VDC
- Output type: sink
- Output current: 25mA max.
- Supply current: 6mA max.
- Barrel length: 1.0"
- Thread: 15/32" - 32
- Wire: 20 AWG x 1m
- Reverse battery protection from 24VDC
- Operating temperature range: -40°C to 125°C

Part No.	Mfr. Part No.	1	5	25
512401	GS100701	\$29.95	\$26.95	\$23.95

ARDUINO PRODUCTS

See page 172-173 for complete selection.

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

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Inductive Proximity Switch Sensors

Cylindrical and Square Styles

- Operating voltage range: 10-30VDC
- Normally open output
- Current consumption: 10mA max.
- Sensing distance: $\pm 10\%$ (tin)
- Pre-tinned pigtail
- Nominal operating voltage: 12VDC
- Switching frequency: 1.5kHz
- Sensing target: inductive type – magnetic metal
- Fast response
- 6' long cable
- Short-circuit protected
- LED status indicator

★ Web Code: MAX



Part No.	Mfr. Part No.	Output Circuit	Effec. Dist. (Iron)	Standard Target (Iron) (mm)	Dimensions (L x Dia.)	Mounting Hole (ins.)	Pricing		
							1	5	25
167020	TS12-02N-1	NPN	0-1.6mm	12 x 12 x 1	1.8" x 0.46"	0.46	\$21.95	\$19.95	\$17.95
248858	TS12-02P-1	PNP	0-1.6mm	12 x 12 x 1	1.8" x 0.46"	0.46	19.95	17.95	15.95
155547	S18-05N-1	NPN	0-4.0mm	18 x 18 x 1	1.4"Lx1.4"Wx0.7"H	0.112	12.95	11.95	10.95
421163	CS18-05N-1	NPN	0-0.4mm	18 x 18 x 1	2.1" x 1.10"	0.95	14.95	13.95	12.95
421171	CS18-08N-1	NPN	0-6.4mm	18 x 18 x 1	2.4" x 1.10"	0.95	14.95	13.95	12.95

Ultrasonic Sensor Sets

Motion or Distance Sensing, Transmitter/Receiver Set

- Frequency: 40kHz ± 1.0 kHz • Aluminum case
- 136654: • Capacitance: 2000pF $\pm 30\%$
- Transmitter: bandwidth 4.0kHz @ 112dB, sound pressure level 119dB @ 40 ± 1.0 kHz
- Receiver: bandwidth 3.5kHz @ -71dB, min. sensitivity 65dB @ 40 ± 1.0 kHz (R=3.9k Ω)

★ Web Code: CAU

- 139492: • Capacitance: 2000pF $\pm 20\%$
- Transmitter: bandwidth 5.0kHz @ 100dB, sound pressure level 112dB @ 40 ± 1.0 kHz
- Receiver: bandwidth 5.0kHz @ -75dB, min. sensitivity 67dB @ 40 ± 1.0 kHz (R=3.9k Ω)

2120268:

- Capacitance: 1250pF $\pm 20\%$ • Bandwidth: 4.0kHz @ -73dB
- Transmitter sensitivity: 41kHz @ 67dB
- Receiver sensitivity: 40kHz @ 67dB (R=3.9k Ω)

Part No.	Product No.	Case Size	Lead Length/Spacing	1	10	100
136654	40TR16F	0.47"H x 0.62"Dia.	0.39"	\$8.49	\$7.59	\$6.89
139492	40TR12B	0.30"H x 0.43"Dia.	0.28"	7.95	7.19	6.49
2120268	EFR40K2	0.47"H x 0.62"Dia.	0.35"	6.95	5.95	4.95



MaxBotix

High Performance Sonar Range Finders

★ Web Code: MXX

MaxBotix is a leader in ultrasonic range finder products for standard, industrial, and outdoor applications and detect objects from as close as 6" all the way to 35" depending on the model. MB7xxx family has 3/4" PVC straight threads at the back and are IP67 weather resistant.

NEW
MARKED IN PINK



Part No.	Mfr. Part No.	Fig.	Case Size	Detection Range (ft.)	Data Output	1	5
2157319	MB1000	1	.79"W x .87"H x .61"D	1-21.16	PW, AV, SD	\$27.95	\$24.95
2157335	MB1040	1	.79"W x .87"H x .61"D	1-21.16	PW, AV, SD	24.95	21.95
2157343	MB1210	2	.79"W x .87"H x .99"D	1-25.1	PW, AV, SD	39.95	34.95
2157386	MB7066	3	1.72"Dia. x 2.58"D	1-35	PW, AV, SD	104.95	99.95
2157394	MB7092	3	1.72"Dia. x 2.58"D	1-25.1	RTAVE, AV, SD	94.95	89.95

PWO = pulse-width; AVO = analog voltage; SD = serial digital; RTAVE = real-time analog voltage envelope

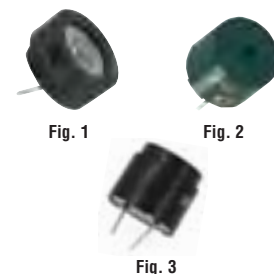
JAMECO ValuePro

Magnetic Transducers (Buzzers)

- Applied voltage: 1/2 duty, square wave

★ Web Code: JMT

Part No.	Manufacturer	Product No.	Fig.	Oper. Volt. (V/mA)	Volt. Range	Frequency (Hz)	Impedance (Ω)	Sound (dB)	Dimensions (H x Dia.)	Pricing		
										1	10	100
207918	ValuePro	DB10SGFPN	1	1.5/30	1-2	2048	16	75	.22" x .47"	\$.59	\$.55	\$.49
138740	ValuePro	DBX05-PN	2	5/40	3-8	2400	80	85	.35" x .46"	1.49	1.25	1.09
673871	ValuePro	PRT-1205	2	5/40	3-8	2400	47	90	.35" x .46"	.95	.85	.75
673774	ValuePro	SBT-1612	3	12/40	6-18	2048	200	85	.53" x .62"	.99	.89	.79
2129748	Kobitone	256-MB2161	2	12/40	6-18	2048	115	85	.55" x .63"	.75	.69	.65



JAMECO ValuePro

Liquid Level Sensor

★ Web Code: LLS

Combine the control box and sensor to activate a water valve. When the sensor is triggered by a tank in either full or empty condition, it will trigger an output status change.



Part No.	Description	1	5	25
176250	24VDC	\$9.95	\$8.95	\$7.95



Force-Sensing Resistor

- Polymer thick film (PTF) optimized for human touch control of electronic devices
- >1M Ω , no force, 100k Ω to >100 Ω under pressure
- 0.72" dia. circular pad, 0.5" Dia. sense area
- Can sense applied force from 1 oz. to 22 lbs.
- 1.3" flexible male leads, 0.1" spacing



Part No.	Mfr. Part No.	Size	1	10
2128260	1696	0.72"Dia./0.5"Dia.	\$7.95	\$7.25
2136471	1645	1.72"Lx1.5"W	8.95	8.49



Flex Sensor

- Max. resistance: 30k Ω to 40k Ω , proportional to the degree of flexing or bending
- Applications: virtual reality data gloves, robotic, bio-metric, physics and engineering

Part No.	Nominal Res.	Length	1	10
150551	10k Ω	4.5	\$12.95	\$11.49

Bidirectional Flex Sensor



As the Bi Flex Bend Sensor is bent in either direction, the resistance gradually decreases. It is pressure sensitive and may also be used as a force or pressure sensor.

- Nominal resistance: 20k Ω – 50k Ω
- Dimensions: 4.5"L x .375"W x .038"T
- Temperature range: -45°F to 125°F

Part No.	Mfr. Part No.	1	5	25
2124867	FLX-01-M	\$9.95	\$8.95	\$7.95

INFRARED DISTANCE SENSOR

PARALLAX

- Measurement range: 3.9" to 31.5"
- Power supply: 5VDC @ 30mA (typical)
- Analog output voltage corresponds to distance (0.4V to 2.3V range typ.)
- Convenient 3-pin interface



P/N 2150256 \$14.95

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Piezo Buzzers (Annunciators)

* Web Code: JPB

Part No.	Manufacturer	Product No.	Fig.	Tone	Oper. Volt. (V/mA)	Volt. Range	Sound (dB)	Freq. (Hz)	Dimensions (H x Dia.)	Pricing		
										1	10	100
2081246	Shogyo	SEP-2202A5	1	Single	3/11	1.5 - 6	85	3000	16mm x 24mm	\$1.95	\$1.75	\$1.49
335557	ValuePro	MSR320	2	Single	3-20/3-16	3 - 20	90	3400	.39" x .91"	2.49	2.25	1.95
2129721	MG Elec	SBT-16065	1	Single	12/20	4 - 7	2200	85	13.9mm x 15.4mm	1.95	1.75	1.49
1956696	Velleman	SV4/5-S	3	Single	5/25	3 - 6	87	3200	.30" x .47"	2.95	2.69	2.45
336989	ValuePro	SC616N	4	Single	6-16/6-22	6 - 16	95	2900	1.28" x 1.69"	1.95	1.75	1.55
1956741	Velleman	SVM06	5	Single	6/20	3 - 7	75	300-500	.91"L x .63"W x .59"H	2.25	1.95	1.75
196357	ValuePro	AL-175	6	Single	12/5.8	3 - 16	86	4000	.30" x .54"	1.95	1.75	1.49
138713	ValuePro	32S4120-PN	6	Single	12/7	3 - 16	80	4000	.30" x .54"	2.25	1.95	1.75
673900	ValuePro	SEP-1172	7	—†	12/7	3 - 28	81	3300	16mm x 31.4mm	.75	.65	.59
2099690	Kobitone	256-PB313	8	Continuous†	12/7	3 - 28	82	3600	.413" x 1.18"	.99	.89	.75
2120452	ValuePro	DB-E238	1	Single	12/8	3 - 20	85	2900	16mm x 23.8mm	1.75	1.49	1.25
1956750	Velleman	SVM12	5	Single	12/15	7 - 17	75	300-500	.91"L x .63"W x .59"H	1.75	1.49	1.25
335927	ValuePro	PK-20A38P	1	Single*	12/15	3 - 24	95	3800	18mm x 23mm	2.25	1.95	1.75
32602	ValuePro	11S3240-R	9	Single	24/15	1 - 27	95	2900	1.4" x 1.7"	3.95	3.49	2.95
76021	ValuePro	7S3240-LA	9	Single	24/20	1.5 - 28	95	3200	1.0" x 1.1"	3.95	3.49	2.95
249498	ValuePro	1103120-LF-TA	9	Dual#	12/25	4 - 16	95	2900	34.5mm x 43.5mm	2.75	2.49	2.25
123538	ValuePro	11D3240	9	Dual#	24/20	4 - 28	80	2900	1.4" x 1.7"	3.95	3.49	2.95
335855	ValuePro	PK-12N40P	1	Pulse	12/10	3 - 15	83	4100	8mm x 14mm	2.95	2.59	2.29
2117430	ValuePro	7P3120LF-LA	10	Pulse	12/10	3 - 15	90	3200	.98" x 1.10"	2.95	2.59	2.25

† Requires driver circuit

* Press fit: panel hole - 27mm (1.06")

Continuous or fast pulse

Fig. 1

Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10

Piezo Transducers (Speakers)

* Web Code: JPT

Part No.	Manufacturer	Product No.	Fig.	Rated Voltage	Max. Current	Res Frequency	Sound (dB)	Dimensions (H x Dia.)	Pricing		
									1	10	100
1956784	Velleman	TV4	1	1.5Vp-p	1.5mA	4kHz	75	0.2mm x 50mm	\$3.25	\$2.95	\$2.75
1956776	Velleman	TV1	2	1.5Vp-p	1.5mA	4kHz	85	6mm x 30mm	2.25	1.95	1.75
2098540	Kobitone	PB102-ROX	3	3Vp-p	3mA	2kHz	70	3.2mm x 10mm	1.25	1.09	.99
2098523	Kobitone	PB140-ROX	4	5Vp-p	5mA	4kHz	80	6.8mm x 13.8mm	1.25	1.09	.99
2098558	Kobitone	PB160-ROX	5	9Vp-p	7mA	4kHz	80	4mm x 16.5mm	.99	.89	.79
2099702	Kobitone	256-PB315*	6	10Vp-p	7mA	4kHz	82	7.6mm x 17mm	.75	.69	.65
2098566	Kobitone	AZ-3025E-W-LF	2	10Vp-p	9mA	2.5kHz	86	9.5mm x 30mm	1.29	1.15	.99
336276	ValuePro	PT-1250W	3	12Vp-p	2mA	4kHz	75	4.3mm x 13.5mm	1.09	.99	.89
336314	ValuePro	KWT2340F12L-2ER	2	12Vp-p	3mA	4kHz	80	4.5mm x 24mm	1.59	1.49	1.35
2077280	Panasonic	24C411	4	15Vp-p	2mA	4kHz	85	6mm x 24mm	.75	.65	.59
2151216	ValuePro	EAT-17	7	20Vp-p	1mA	3.8kHz	80	6.9mm x 14mm	1.49	1.35	1.19

* Requires external drive

Fig. 1

Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7

Mechanical/Electromechanical Buzzers

* Web Code: MEB

Part No.	Manufacturer	Cross Ref. No.	Fig.	Oper. Volt. (V/mA)	Voltage Range	Frequency (Hz)	Sound (dB)	Dimensions	Pricing		
									1	10	100
140695	ValuePro	63S1120-LA	2	12/25	9 - 15	400	75	1.3"L x 0.7"W x 0.6"H	\$2.25	\$1.95	\$1.75
335353	ValuePro	AS1401	1	12/30	8 - 15	2400	90	.5"L x .5"W x .4"H	.49	.45	.39
335388	ValuePro	AST500	1	1.5	1.2 - 3	2400	85	.5"L x .5"W x .4"H	.39	.35	.29
76065	ValuePro	TDB05-PN	3	5/30	4 - 7	2300	85	.35"H x .46"Dia.	3.25	2.95	2.75
24872	ValuePro	63S109LA	2	9/30	6 - 12	400	85	1.3"L x 0.7"W x 0.6"H	1.59	1.49	1.35



Fig. 1



Fig. 2



Fig. 3

Piezo Sirens

* Web Code: POS

Part No.	Manufacturer	Product No.	Fig.	Oper. Volt. (V/mA)	Voltage Range	Frequency (Hz)	Sound (dB)	Dimensions	Pricing		
									1	10	100
207993	ValuePro	SL15R3120LA	1	12/250	6 - 16	3500	105	2.3"L X 1.8"W X 1.6"H	\$3.95	\$3.59	\$3.25
2123733	Velleman	SV/PS5R	2	12/1300	6 - 12	900/4000	125	3.9"L x 4.3"Dia	8.95	8.49	7.95



Fig. 1



Fig. 2

30mm PCB Mountable Speakers

- Ideal for PC board mounting
- Power (nominal/max.): 0.15W/0.2W
- Mylar diaphragm
- Solder leads

Part No.	Size (H x Dia.)	Impedance	Pin Spacing	Freq. Range	SPL (dB)	1	10	100
2095234	0.57" x 1.24	8Ω	0.69"	700-4kHz	82 ..	\$1.25	\$1.09	\$.99
135722	0.50" x 1.17"	8Ω	0.59"	700-5kHz	82 ...	1.49	1.25	.99
2099817	0.47" x 1.16"	100Ω	0.58"	1.1kHz ±20%	95 ...	1.25	.99	.75



135722

Rare Earth Magnet Speaker

- Input watts: 3W nominal, 4W maximum
- Impedance: 8Ω (±15%) @ 850Hz
- Output SPL (dB): 85dB (±3dB)
- Frequency range: 100Hz to 20kHz
- Distortion: 5% max. @ 1000Hz
- Weight: 0.96 oz.

Part No.	Product No.	Size	1	10	100
2126061	40RE08-1	1.6"Dia. x 1.7"D	\$2.95	\$2.75	\$2.49



* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

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JAMECO ValuePro

Flat Element, Square Speakers

- Excellent for alarms or other voice uses
- Stainless steel diaphragm

* Web Code: XAE

Part No.	Product No.	Dimensions (Dia." x D")	Input		Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Element Size (Dia." x H")	Pricing		
			Nom (W)	Max (W)					1	10	100
34025	GSP02-R	1.2 x 0.2	0.4	0.8	8	70	1300 – 8000	1.2 x 0.1	\$2.75	\$2.49	\$2.25
76030	AZ40S	1.6 x 0.2	0.4	0.8	8	70	600 – 6000	1.6 x 0.1	1.75	1.59	1.39
673766	AZ50S	1.9 x 0.2	0.4	0.8	8	70	500 – 6000	1.9 x 0.1	1.25	1.09	.89



JAMECO ValuePro

Alnico Round, Square and Rectangular Speakers

* Web Code: EAL

Part No.	Product No.	Fig.	Dimensions (Dia." x D")	Input		Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia." x H")	Pricing		
				Nom (W)	Max (W)					1	10	100
2099614	31204	1	4.05 x 1.6	1.0	2.0	4	95	300 – 1200	0.9 x 0.6	\$1.95	\$1.75	\$1.49
2146388	TR057A-R	2	2.25 x 0.77	0.25	0.5	8	84	300 – 14000	0.5 x 0.4	2.95	2.59	2.35
88411	A0200	2	2.0 x 0.88	0.2	0.4	8	87	430 – 4500	0.5 x 0.4	2.49	2.29	1.95
111588	B0102	1	1.7 x 0.6	0.1	0.3	8	83	500 – 5500	0.5 x 0.4	2.75	2.49	2.25
2115442	K7048202	3	1.6Lx2.8Wx0.9H	3.0	3.0	8	82	310 – 12000	0.87 x 0.29	2.95	2.59	2.25
135812	A1527C02	3	1.6Lx2.8Wx1.2H	2.0	5.0	8	82	450 – 20000	0.5 x 0.5	4.49	3.95	3.59
1954834	NMB-0030†	2	1.8 x 0.5	0.5	1.0	8	87	550 – 6000	0.9 x 0.2	1.75	1.49	1.25
1950972	I-826-219 *	4	8.2Lx2.2Wx2.0H	1.0	13.0	8	95	30 – 20000	1.5 x 2.8	3.95	3.59	3.25
2081220	TP-252††	2	2.6 x 0.875	0.5	1.0	16	89	400 – 4000	0.9 x 0.5	1.49	1.25	.99
1954826	R11-49††	1	2.9 x 1.2	0.5	1.0	16	89	300 – 7500	0.9 x 0.4	1.49	1.25	.99
1954842	609-0033††	3	3.6Lx2.0Wx1.5H	1.0	3.0	16	89	200 – 3000	0.9 x 0.7	1.75	1.49	1.25
1954851	R-A162††	1	4.0 x 1.5	1.0	2.0	16	89	200 – 3500	0.9 x 0.6	1.95	1.75	1.49
307820	UF1082	5	1.73 x 0.275	0.5	1.0	40	80	200 – 6000	0.8 x 0.1	1.75	1.49	1.25

* Sony LCD plasma replacement speaker (actual size: 6"H x 2.15"W x 1.94"D) † Pair of wire leads (2) 11"/10" †† With wire leads

- For computer case use
- Paper diaphragm
- Wide frequency response
- Pre-tinned solder lugs
- Large magnet



JAMECO ValuePro

Micro Round and Rectangular Speakers

* Web Code: TBX

Part No.	Product No.	Dimensions (Dia." x D")	Input (W)		Impedance (Ω)	Magnet Size (Dia." x H")	Output SPL (dB)	Frequency Range (Hz)	Pricing		
			Nom.	Max.					1	10	100
2099606	SP801W	1.05 x 0.35	0.1	0.2	8	0.67 x 0.17	78	320 – 7500	\$1.49	\$1.25	\$1.09
2158215	MR-01W	2.25 x 0.43	0.1	0.2	8	0.75 x 0.18	84	460 – 7000	1.49	1.25	1.09
2095242	35CS088-M75NA	1.4Lx1.3Wx0.2H	0.2	0.3	8	0.44 x 0.10	80	550 – 6700	1.49	1.25	1.09
1956590	TR-050F-R	2.00 x 0.70	0.5	1.0	16	1.25 x 0.34	85	500 – 5000	1.25	1.09	.95
138861	GC0201	0.80 x 0.169	0.1	0.2	32	0.26 x 0.06	78	800 – 7000	1.09	.85	.65
2099593	SP452W	2.25 x 0.5	0.1	0.2	45	0.68 x 0.17	86	150 – 9000	1.25	.99	.75
355514	YGD40A-50	1.57 x 0.40	0.5	1.0	50	0.72 x 0.43	89	600 – 5200	1.25	1.09	.99



JAMECO ValuePro

Round Ferrite Speakers

* Web Code: TAT

Part No.	Manufacturer	Product No.	Dimensions (Dia." x D")	Input (W)		Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia." x H")	Pricing		
				Nom.	Max.					1	10	100
135589	ValuePro	FE200	2.0 x 0.7	0.2	0.4	8	83	420 – 5000	1.3 x 0.4	\$1.75	\$1.49	\$1.25
320362	ValuePro	TR-057F-R	2.0 x 0.7	0.25	0.5	8	86	900 – 9000	1.3 x 2.5	1.49	1.25	1.09
10840	ValuePro	FE201	2.2 x 0.7	0.2	0.4	8	88	400 – 4500	1.3 x 0.4	2.49	2.25	1.95
2081254	Star	FR-05202-01	2.0 x 1.15	3.0	5.0	8	85	100 – 5000	1.6 x 0.5	2.75	2.49	2.25
2158223	Regal	RF-10W	4.1 x 2.3	10	20	8	90	1000 – 15000	2.8 x 0.8	9.95	8.95	7.95
1954800	Regal	R-F163†	3.0 x 1.3	1.5	3.0	16	89	200 – 3000	1.8 x 0.4	1.49	1.25	.99
2099585	ValuePro	RF-608E	2.2 x 0.7	1.0	2.0	48	86	300 – 3000	1.3 x 0.4	1.49	1.25	.99
2081844	ValuePro	20-220-NSR†	2.0 x 0.7	0.1	0.2	50	86	300 – 3000	1.3 x 0.4	1.75	1.49	1.25

† With lead wires

- Pre-tinned speaker lugs
- Anodized metal surfaces
- Braided copper voice coil leads
- Paper diaphragm
- Large magnet



JAMECO ValuePro

Square Ferrite Speakers

* Web Code: EDT

Part No.	Manufacturer	Product No.	Dimensions (Dia." x D")	Input (W)		Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia." x H")	Pricing		
				Nom.	Max.					1	10	100
99996	ValuePro	FEB204	2.6 x 0.9	3.0	4.0	4	95	300 – 14000	1.8 x 0.5	\$2.95	\$2.75	\$2.49
135694	ValuePro	FEB200	2.0 x 0.7	0.2	0.3	8	82	500 – 6000	1.3 x 0.5	2.25	2.09	1.89
2099833	ValuePro	964000-002	2.6 x 0.8	0.2	0.3	8	97	500 – 6000	1.3 x 0.4	1.49	1.25	.99
1954818	ValuePro	TQ-100F-R	4.0 x 1.4	6.0	8.0	8	97	800 – 10000	1.8 x 0.5	3.25	2.95	2.59
31959	ValuePro	FEB216	2.6 x 0.8	0.2	0.4	16	85	330 – 8000	1.3 x 0.5	2.69	2.39	2.15
2099577	ValuePro	SP83W	3.0 x 1.5	2.0	3.0	8	90	300 – 10000	1.8 x 0.6	2.95	2.59	1.95

- Pre-tinned speaker lugs
- Anodized metal surfaces
- Braided copper voice coil leads
- Paper diaphragm
- Large magnet



RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

JAMECO ValuePro

Omni-Directional Electret Condenser Microphone Cartridges

Applications: Tape recorders, intercoms, hearing aids, telephone and answering devices, sonic controlled toys and sensors

*Web Code: QBW



Part No.	Manufacturer	Product No.	Sensitivity	Frequency (Hz)	Max. Op. Volt.	Stand Op. Volt.	Max. Current	Sensitivity Reduction	S/N Ratio	Impedance	Terminals	Size (H x Dia.)	Pricing			
													1	10	100	1000
1950948	ValuePro	AMF-097A40-NB1-LF	-60 ±3dB	50-16,000	10VDC	3.0VDC	0.5mA	-3dB @ 3V	>58dB	>2.2kΩ	PC pin leads	.27" x .39"	\$.99	\$.89	\$.79	\$.69
2126141	ValuePro	EC928P-602	-40 ±2dB	20-12,000	10VDC	4.5VDC	0.5mA	-3dB @ 1.5V	>75dB	>2.2kΩ	PC pin leads	.26" x .38"	1.09	.99	.89	.79
136574	ValuePro	WM-60PC	-54 ±2dB	20-12,000	12VDC	4.5VDC	0.5mA	-3dB @ 3V	>40dB	>2.2kΩ	PC pin leads	.30" x .38"	1.09	.99	.89	.79
320179	ValuePro	EM-99	-64 ±2dB	20-12,000	12VDC	4.5VDC	0.5mA	-3dB @ 3V	>40dB	>2.2kΩ	PC pin leads	.27" x .39"	.95	.85	.75	.65

Hardware

JAMECO ValuePro

SAE Hardware

*Web Code: BAG

- Zinc-plated steel

Slotted Pan Head Machine Screws

Part No.	Screw Size	Thread	Length (in.)	100 piece multiples	
				100	1000
38173	2-56	Std	.250	\$.075	\$.065
2094320	2-56	Std	.375	.045	.038
2094338	2-56	Std	.500	.045	.038
40952	4-40	Std	.250	.025	.018
40970	4-40	Std	.375	.025	.018
106810	4-40	Std	.500	.02	.015
106543	6-32	Std	.250	.015	.012
42446	6-32	Std	.375	.016	.013
42438	6-32	Std	.500	.017	.014
2094346	8-32	Std	.250	.02	.017
106817	8-32	Std	.375	.025	.018
106797	8-32	Std	.500	.025	.018

Phillips Pan Head Machine Screws

Part No.	Screw Size	Thread	Length (in.)	100 piece multiples	
				100	1000
2094354	2-56	Std	.250	\$.06	\$.05
2094371	2-56	Std	.500	.045	.038
2094389	4-40	Std	.250	.03	.025
2094397	4-40	Std	.375	.015	.012
2094400	4-40	Std	.500	.015	.012
2094418	6-32	Std	.250	.019	.015
2094426	6-32	Std	.375	.022	.017
2094434	6-32	Std	.500	.022	.017
2094442	8-32	Std	.250	.02	.016
2094451	8-32	Std	.375	.02	.018
2094469	8-32	Std	.500	.028	.022

Phillips Round Head Machine Screws

Part No.	Screw Size	Thread	Length (in.)	100 piece multiples	
				100	1000
2095111	6-32	Std	.197	\$.018	\$.015
2082978	6-32	Std	.250	.019	.016

Phillips Button Head Sheet Metal Screws

Part No.	Screw Size	Thread	Length (in.)	100 piece multiples	
				100	1000
2100101	6	Std	.375	\$.015	\$.012
2100072	8	Std	.375	.02	.016

2" General Duty Rigid Caster

- Polyolefin wheels give mobility to heavy loads on smooth surfaces
- Mounting bracket 3"L x 1-3/4"W
- Caster swivels 360°
- Impervious to water and resists chemicals
- Long wearing, light weight and non-marking
- 125 lbs. load rating per caster



Part No.	Description	1	10	25
2082169	2-1/2" ground clearance	\$.95	\$.85	\$.75

Hex Nuts

Part No.	Screw Size	Thread	Diameter (in.)	100 piece multiples	
				100	1000
38165	2-56	Std	.183	\$.045	\$.035
40943	4-40	Std	.243	.04	.03
42420	6-32	Std	.306	.05	.045
51553	8-32	Std	.344	.055	.049

Flat Washers

Part No.	Screw Size	Diameter (in.)	100 piece multiples	
			100	1000
2094725	2	.188	\$.023	\$.018
211131	4	.237	.033	.026
106826	4	.281	.035	.03
106833	6	.373	.035	.03
106842	8	.375	.039	.035

Split Lock Washers

Part No.	Screw Size	Diameter (in.)	100 piece multiples	
			100	1000
106789	2	.172	\$.025	\$.019
40977	4	.242	.022	.017
42463	6	.240	.022	.017
51609	8	.279	.025	.019

Internal Tooth Lock Washers

Part No.	Screw Size	Length (in.)	100 piece multiples	
			100	1000
2094733	2	.200	\$.035	\$.028
106850	4	.258	.025	.019
106868	6	.277	.022	.018
106877	8	.323	.025	.022

Fender Washers

Part No.	Screw Size	Diameter (in.)	100 piece multiples	
			100	1000
401146	#10	1	\$.06	\$.05
401154	1/4"	1.25	.06	.05
401162	5/16"	1.5	.06	.05
401171	3/8"	1.5	.06	.05
401189	1/2"	2	.09	.08

*RAF Electronic Hardware Online — Web Code RAF

D-SUB HARDWARE SETS

* Order in multiples of 10

Part No.	1	10	100
16548	* \$.55	\$.49	
444912	1.95	1.75	1.59
2100283	* .19	.15	
614096	1.09	.99	.89

See page 59 for specifications



Thumbscrews

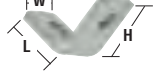
- 6-32 thread
- Aluminum
- Thread length: 3/8"
- Length: 9/16"

*Web Code: VBZ

Part No.	Mfr. Part No.	1	10	100	1000
394063	7125-A	\$.75	\$.65	\$.55	

4-40 Mounting Angle Bracket

- Material: zinc plated steel
- Both holes 4-40 threaded



Part No.	Size (L" x W" x H")	1	10	100
1581530	.375 x .25 x .353	\$.29	\$.25	\$.19

PCB & Fan Mounting Hardware

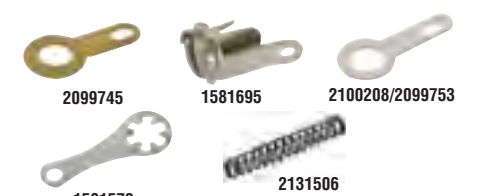
- Snap "on"
- Nylon

*Web Code: PSF



Part No.	Product No.	Size (in.)	Holes	Order in multiples of 10	10	100
28337	CS1016	1.2L x 0.6W	.2"	\$.15	\$.12	
129252	PCST2	0.9L x 0.4Dia.	.27/3" .....	.19	.15	
2133755	PCST3C	0.7L x 0.5W	.17/2" .....	.12	.10	
148056	PCST3B	0.8L x 0.5W	.17/2" .....	.12	.10	
2133763	PCST4C	0.8L x 0.5W	.17/3" .....	.15	.12	
156831	CS-10	0.68L x 0.32Dia.	.14" .....	.19	.15	
2100064	SR1036*	1.5L x .38Lip	.167" .....	.09	.08	

Miscellaneous Hardware



Part No.	Description	1	10	100
2100208	Terminal lug, #4 stud washer, 0.470"L (tin)	* \$.099	\$.079	
2099745	Terminal lug, #4 stud washer, 0.465"L	* .099	.079	
1581695	Offset leg, 6-32 3/8" screw terminal; 0.55"L	* .09	.08	
2099753	Terminal lug, #8 stud washer, 0.605"L	* .15	.12	
1581572	Terminal lug, #6 stud Lockwasher, 0.865"L	.29	.25	.22
2131506	Compression spring 0.127"OD x 0.78"L black	* .09	.08	

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

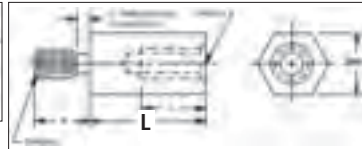
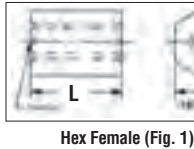
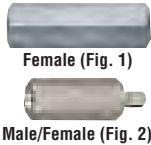
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Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

* Web Code: TBQ



- Finish:
- ¹ Aluminum iridite (clear)
- ² Brass bright tin plate
- ³ Stainless steel
- ⁴ Zinc clear chromate
- ⁵ Chrome



.187"/.250" Aluminum, Brass & Steel Hex Threaded Standoffs

Hex Male/Female Standoffs

.187" Hex 4-40 (Fig. 2) (A: .250"; B: .187")

Part No.	*Mfr.	Mfr. Part No.	Length of L	Pricing		
				1	10	100
393458	RAF	4501-440AL7 ¹	.250"	\$.45	\$.39	\$.35
393466	RAF	4503-440AL7 ¹	.375"	.35	.29	.25
393474	RAF	4505-440AL7 ¹	.500"	.45	.39	.35
2125202	RAF	4508-440BR7 ²	.709"	.25	.19	.15
393491	RAF	4509-440AL7 ¹	.750"	.39	.35	.29
393503	RAF	4513-440AL7 ¹	1.00"	.49	.45	.35

.187" Hex 6-32 Thread (Fig. 2) (A: .375"; B: .250")

Part No.	*Mfr.	Mfr. Part No.	Length of L	Pricing		
				1	10	100
393546	RAF	4503-632AL7 ¹	.375"	\$.35	\$.29	\$.25
393554	RAF	4505-632AL7 ¹	.500"	.35	.29	.25
393571	RAF	4509-632AL7 ¹	.750"	.29	.25	.19
393588	RAF	4513-632AL7 ¹	1.00"	.45	.39	.29

.250" Hex 4-40 Thread (Fig. 2) (A: .250"; B: .187")

Part No.	*Mfr.	Mfr. Part No.	Length of L	Pricing		
				1	10	100
77586	RAF	4530-440AL7 ¹	.250"	\$.35	\$.29	\$.25
77594	RAF	4532-440AL7 ¹	.375"	.45	.35	.19
111756	RAF	4534-440AL7 ¹	.500"	.45	.39	.29
139214	RAF	4536-440AL7 ¹	.625"	.45	.39	.29
139222	RAF	4538-440AL7 ¹	.750"	.49	.45	.35
139231	RAF	4542-440AL7 ¹	1.00"	.55	.49	.45
128566	RAF	4546-440AL7 ¹	1.25"	.49	.45	.39
166546	RAF	4550-440AL7 ¹	1.50"	.75	.69	.59

.250" Hex 6-32 Thread (Fig. 2) (A: .375"; B: .250")

Part No.	*Mfr.	Product No.	Length of L	Pricing		
				1	10	100
133542	RAF	4530-632AL7 ¹	.250"	\$.45	\$.39	\$.25
133568	RAF	4532-632AL7 ¹	.375"	.45	.39	.25
77607	RAF	4534-632AL7 ¹	.500"	.45	.39	.25
77623	RAF	4538-632AL7 ¹	.750"	.55	.49	.39
77650	RAF	4542-632AL7 ¹	1.00"	.65	.59	.49
393959	RAF	4546-632B12 ⁴	1.00"	.55	.49	.45
206623	JVP	SP14SS125 ³	1.25"	.95	.85	.75
393968	RAF	4546-632B12 ⁴	1.25"	.75	.69	.65



Round Magnet

- For science, fridge or projects
- 1.23"Dia. x .19"Thick
- Center hole: .375"Dia.
- Material: ceramic



Part No.	Product No.	1	10	100
109031	CDM	\$.49	\$.39	\$.25

Hex Female Standoffs

.187" Hex 4-40 Thread (Fig. 1)

Part No.	*Mfr.	Product No.	Length of L	Pricing		
				1	10	100
175636	JVP	2052-440S0 ⁵	.187"	\$.29	\$.25	\$.19
133613	RAF	2053-440AL7 ¹	.250"	.29	.25	.19
102796	JVP	14-552 ²	.250"	.39	.35	.29
133640	RAF	2057-440AL7 ¹	.500"	.39	.35	.25
139792	RAF	2058-440AL7 ¹	.563"	.29	.25	.19
133648	RAF	2059-440AL7 ¹	.625"	.29	.25	.19
133656	RAF	2061-440AL7 ¹	.750"	.35	.29	.25
139185	RAF	2065-440AL7 ¹	1.00"	.35	.29	.25

.250" Hex 4-40 Thread (Fig. 1)

Part No.	*Mfr.	Mfr. Part No.	Length of L	Pricing		
				1	10	100
139193	RAF	2100-440A7 ¹	.250"	\$.25	\$.22	\$.15
77501	RAF	2102-440AL7 ¹	.375"	.29	.25	.19
393693	RAF	2102-440B12 ⁴	.375"	.29	.25	.19
134763	RAF	2103-440AL7 ¹	.437"	.39	.35	.19
108371	RAF	2104-440AL7 ¹	.500"	.45	.39	.25
393713	RAF	2104-440B1 ⁴	.500"	.35	.29	.25
77519	RAF	2106-440AL7 ¹	.625"	.29	.25	.19
133605	RAF	2108-440AL7 ¹	.750"	.45	.39	.25
393731	RAF	2108-440B12 ⁴	.750"	.39	.35	.29
139205	RAF	2112-440A7 ¹	1.00"	.29	.25	.19
387401	RAF	2148-440A7 ¹	6.00"	.95	.85	.75
387428	RAF	2152-440A7 ¹	6.00"	1.75	1.49	1.35
387444	RAF	2156-440A7 ¹	7.00"	1.75	1.49	1.35
387452	RAF	2160-440A7 ¹	9.00"	1.75	1.49	1.35
387461	RAF	2164-440-A7 ¹	10.0"	1.95	1.75	1.49

.250" Round Spacers

- Aluminum or brass
- Finish: ¹Iridite (clear; MIL C-5541E); ²Zinc (clear chromate; ASTM-B-633)

* Web Code: RBQ



Non-Threaded

Order in multiples of 10

Part No.	*Mfr.	Metal	Size	Length	Pricing	
					10	100
393061	RAF	Alum ¹	#4	.187"	\$.15	\$.12
393095	RAF	Alum ¹	#4	.375"	.09	.08
393191	RAF	Brass ²	#4	.375"	.09	.08
393220	RAF	Brass ²	#4	.812"	.15	.12
393238	RAF	Brass ²	#4	.875"	.15	.12
393369	RAF	Brass ²	#6	.250"	.09	.08
393290	RAF	Alum ¹	#6	.312"	.09	.08
393385	RAF	Brass ²	#6	.312"	.09	.08
393297	RAF	Alum ¹	#6	.375"	.09	.08

Non-Threaded (Continued)

Order in multiples of 10

Part No.	*Mfr.	Metal	Size	Length	Pricing	
					10	100
393326	RAF	Alum ¹	#6	.812"	\$.09	\$.08
393422	RAF	Brass ²	#6	.812"	.15	.12
393431	RAF	Brass ²	#6	.875"	.15	.12

Threaded

Order in multiples of 10

Part No.	*Mfr.	Metal	Thread	Length	Pricing	
					10	100
1944610	JVP	Alum ¹	6-32	.250"	\$.12	\$.10
1944628	JVP	Alum ¹	6-32	.375"	.15	.12

* RAF = RAF Electronic Hardware | JVP = Jameco ValuePro

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

JAMECO ValuePro

Zinc-Finished Steel Metric Screws

These screws are zinc-plated to prevent corrosion and supply high tensile strength while requiring less surface area. Ideal for Mean Well power supply mounting and precision work with close tolerances.



Pan-Head Phillips

Socket-Head Hex

* Order in multiples of 10

Part No.	Mfr. Part No.	Type of Screw	Head	Drive	Screw Size	Dia. (mm)	Thread Size	Length (mm)	1	10	50	100
2153570	91185	Machine	Pan	Phillips	M3-0.5x4	3	0.5	4	*	\$.19	\$.15	\$.12
2153588	91188	Machine	Pan	Phillips	M3-0.5x8	3	0.5	8	*	.19	.15	.12
2153596	91190	Machine	Pan	Phillips	M3-0.5x12	3	0.5	12	*	.19	.15	.12
2153609	91199	Machine	Pan	Phillips	M4-0.7x6	4	0.7	6	.29	.25	.19	.15
2153617	91201	Machine	Pan	Phillips	M4-0.7x10	4	0.7	10	.29	.25	.19	.15
2153625	91203	Machine	Pan	Phillips	M4-0.7x16	4	0.7	16	.29	.25	.19	.15
2153633	0141695	Cap	Socket	Hex	M3-0.5x4	3	0.5	4	.39	.35	.29	.25
2153641	0135863	Cap	Socket	Hex	M3-0.5x8	3	0.5	8	.39	.35	.29	.25
2153650	0135865	Cap	Socket	Hex	M3-0.5x12	3	0.5	12	.49	.45	.39	.35
2153668	0135877	Cap	Socket	Hex	M4-0.7x6	4	0.7	6	.49	.45	.39	.35
2153676	0135879	Cap	Socket	Hex	M4-0.7x10	4	0.7	10	.49	.45	.39	.35
2153684	0135882	Cap	Socket	Hex	M4-0.7x16	4	0.7	16	.49	.45	.39	.35

Mounting Brackets & Accessories for Mean Well Enclosed Switching AC-to-DC Power Supplies

All brackets use metric screws: 2-F3 x 6, 2-F4 x 6, 2-T3 x 6, 2-T4 x 6 and 8-T4 x 6 (not included)

* Web Code: MBM

Part No.	Product No.	For Models	1	10
222122	DRL-01	S-25/40, RS-25/35	\$.99	\$.89
222148	DRL-03	S-240/320, SP-320	1.95	1.75
222173	DRP-03	All Models	1.49	1.25
222182	MHS012	S-320/350, SP-100/150/200/320	.49	.39
222199	MHS025	SP-500, PSP-600	.59	.49
248736	2094.0	DR, DRH, DRP, DRT, MDR	7.95	6.95



222122 4.35" L x 1.73" W x 2.52" H
222148 7.875" L x 2.48" W x 1.80" H



222173
1.75" L x 1.97" W x .345" H



222182
.767" L x .60" W x .625" H

248736 (DIN Mounting Rail)
Length: 1 meter

222199
5.51" L x 7.89" W x .068" H

Open-Frame Power Supplies, pages 115-116

Enclosed Power Supplies, pages 117-121

DIN-Rail Power Supplies, page 123

Electromech

JAMECO ValuePro

These durable, pressure sensitive, adhesive-backed urethane bumpers adhere quickly and resist marring and staining on surfaces and give excellent skid and abrasion resistance.



Fig. 1 Fig. 2 Fig. 3 Fig. 4



Fig. 5 Fig. 6 Fig. 7

Adhesive Rubber Feet

* Web Code: FAV

Part No.	Cross Ref. No.	Type	Fig.	Pack	W" x H"	1	10	50
2119718	BS-34-100BL	Black cylindrical	1	100	.38 x .13	\$3.95	\$3.49	\$2.95
2118897	BS-5-100BL	Black cylindrical	2	100	.50 x .06	4.95	4.49	3.95
142658	SJ5012BLKC	Black cylindrical	1	100	.50 x .14	6.95	5.95	5.49
651911	SJ5312CLR56	Clear cylindrical	3	56	.50 x .14	2.49	2.25	1.95
126981	SJ5023BLK4	Black square tapered	4	4	.81 x .30	.95	.85	.75
142666	SJ5023BLKC	Black square tapered	4	100	.81 x .30	14.95	13.49	12.49
142771	SJ5008BLKC	Black square tapered	5	100	.50 x .12	7.95	5.95	4.95
142682	SJ5018BLKC	Black square tapered	6	100	.50 x .23	10.95	8.95	7.95
2155129	SJ5018WHT	White square tapered	6	80	.50 x .23	10.95	8.95	7.95
2118871	BS-7-100BL	Black hemisphere	7	100	.34 x .09	2.95	2.65	2.25
2081385	GB201	100 assorted sizes & types of bumpers & rubber feet				8.95	7.95	6.95

Vibrating Motors

1.3VDC & 3VDC Vibrating Motors

JAMECO EXCLUSIVE

* Web Code: NBC

• Typical applications: cellular phones, pagers and toys



Fig. 1

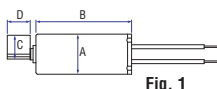


Fig. 1



Fig. 2



Fig. 3



Fig. 4

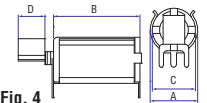


Fig. 4

Part No.	Cross Ref. No.	Fig.	Operating Voltage (VDC @ mA)	Operating Range (VDC)	Rated RPM @ VDC	Lead Length (in.)	Motor Size (A x B) (Dia." x Depth")	Shaft Size (C x D) (Dia." x Length")	Pricing		
									1	10	100
175062	OTL-7AL	1	1.3 @ 62	0.70 - 1.60	7000 @ 1.3	0.7	0.28 x 0.67	0.10 x 0.18	\$3.95	\$3.49	\$2.95
175396	OTL-4AL	3	1.3 @ 65	0.70 - 1.60	8500 @ 1.3	0.75	0.16 x 0.55	0.15 x 0.23	3.95	3.49	2.95
256306	6ZK003	2	1.3 @ 80	0.85 - 1.60	8500 @ 1.3	1.0	0.23 x 0.39	0.10 x 0.10	2.95	2.65	2.25
2150731	Z4KL2A0030001	2	1.3 @ 80	1.10 - 1.60	9500 @ 1.3	1.0	0.16 x 0.43	0.18 x 0.14	2.49	2.25	1.95
256322	6ZK211	4	1.3 @ 80	0.80 - 1.60	8500 @ 1.3	PC terminal	0.27 x 0.48	0.11 x 0.11	2.75	2.49	2.25
256365	7ZK692	2	3.0 @ 60	2.40 - 3.00	6500 @ 3.0	4.7	0.28 x 0.66	0.18 x 0.22	3.95	3.49	2.95
256382	7ZK681	2	3.0 @ 60	2.40 - 3.60	7500 @ 3.0	1.1	0.28 x 0.66	0.12 x 0.16	3.95	3.49	2.95
256314	6ZK053	2	3.0 @ 75	1.60 - 3.60	8500 @ 3.0	1.0	0.23 x 0.39	0.10 x 0.10	3.25	2.95	2.65
256331	6ZK261	4	3.0 @ 75	2.40 - 3.00	8500 @ 3.0	PC terminal	0.27 x 0.48	0.11 x 0.11	3.25	2.95	2.65

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

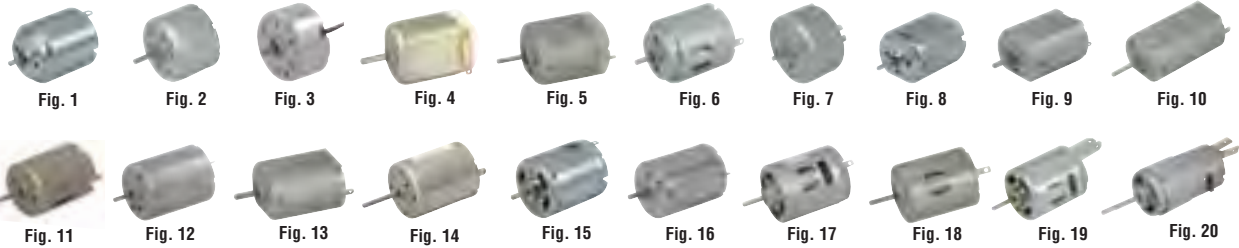
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NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

1.5VDC – 24VDC Motors



star motor



Part No.	Manufacturer	Product No.	Fig.	Nominal Voltage (VDC)	Voltage Range (VDC)	@ Maximum Efficiency			Efficiency	Terminal Type	Shaft Dia. (in.)	Shaft Length (in.)	Size Dia. x Depth (in.)	Pricing		
						Current (Amps)	Speed (RPM)	Torque (g-cm)						1	10	100
231917	ReliaPro	FE-260-2670	1	1.5	1.5-3	0.66	3700	10.5	42.9	0.12"/solder	0.078	0.314	0.937 x 1.063	\$2.49	\$2.25	\$1.95
238465	ReliaPro	RF-310TA-11400 (CW)	2	2.5	1-6	0.06	2190	3.3	75.0	0.05"/solder	0.078	0.70	0.962 x 0.712	2.49	2.25	1.95
238458	ReliaPro	RF-300CA-11400 (CW)	3	3	1-6	0.065	2400	4.3	56.4	3" wires	0.078	0.19	0.96 x 0.491	3.49	2.95	2.65
154915	Star Motor	ST130-12240-38	4	3	1.5-3	0.17	3588	7.4	55.0	0.09"/solder	0.08	0.37	0.79 x 1.13	1.75	1.49	1.25
1939589	ReliaPro	FF-130RH-15210	5	3	1-4	0.17	4280	5.8	50.0	0.08"/solder	0.08	0.24/0.21	0.79 x 0.98	2.49	2.25	1.95
1951449	ReliaPro	QJT-260-18130	1	3	1.5-4.5	0.46	4780	10.0	40.0	0.12"/solder	0.078	0.314	0.944 x 1.071	2.25	1.95	1.75
231925	ReliaPro	FE-260-2295	1	3	1.5-4.5	0.63	6850	14	53.9	0.12"/solder	0.078	0.314	0.937 x 1.063	2.25	1.95	1.75
154923	Jency Motor	ST-130-22770	4	3	1.5-3	0.95	13200	10.3	40.0	0.09"/solder	0.08	0.37	0.79 x 1.13	1.75	1.49	1.25
211246	ReliaPro	RC-260RA-2670	6	4.5	3-4.5	1.430	15290	21.8	53.0	0.11"/solder	0.08	0.28	0.93 x 1.06	1.95	1.75	1.59
238511	ReliaPro	RF-500TB-12560	7	6	6-12	0.08	2100	11	58.0	0.08"/solder	0.078	0.342	1.259 x 0.767	3.95	3.49	2.75
231829	ReliaPro	PC-280-16210	8	6	3-12	0.28	4260	18	47.6	0.08"/solder	0.078	0.433	0.944 x 1.200	2.75	2.49	2.25
231781	ReliaPro	PC-130F-12240	9	6	3-9	0.25	6800	7	33.4	0.08"/solder	0.078	0.377	0.803 x 0.984	2.95	2.75	2.49
232144	ReliaPro	FF-050S-11170	10	7	1.5-9	0.17	8500	7	51.3	0.08"/solder	0.059	0.433	0.61 x 1.059	2.95	2.75	2.49
177498	ReliaPro	RC280RA-2485	11	7.2	3-14	1.180	14260	33.3	57.0	0.11"/solder	0.08	0.43	0.95 x 1.20	2.49	2.25	1.95
2095533	Mabuchi Motor	RK-270SH-16175	12	9	4.5-18	0.370	6320	32.5	63.7	0.08"/solder	0.08	0.344	0.96 x 1.21	2.95	2.49	1.95
1955669	Canon	DN26-T41NIB	13	12	4-12	0.25	6600	34.33	—	0.11"/solder	0.08	0.30	1.01 x 1.00	1.95	1.75	1.49
174693	ReliaPro	21226-384221	14	12	9-14	0.015	3000	85.06	—	0.11"/solder	0.08	0.71	0.97 x 1.19	2.95	2.65	2.39
2144673	Mabuchi	RS555PH-23300	15	12	12-30	0.36	5050	380.3	—	0.19/quick conn.	0.125	0.50	1.44 x 2.625	4.95	4.49	3.95
231732	ReliaPro	PC-130SF-09480	9	12	6-24	0.11	4800	12.3	49.6	0.08"/solder	0.078	0.377	0.803 x 0.984	2.75	2.49	2.25
238473	Mabuchi Motor	RF-370CA-15370	16	12	3-12	0.17	4840	187	75.0	0.08"/solder	0.078	0.346	0.960 x 1.213	2.95	2.65	2.39
206949	Nichibo	QJT360S14280	17	12	9-30	0.35	4930	44.5	52.0	0.11"/solder	0.09	0.45	1.09 x 1.30	2.75	2.49	2.25
2155250	Nichibo	MD3BN-14280-R51	17	12	6-18	0.268	5260	36.2	63.0	0.11"/solder	0.09	0.45	1.09 x 1.30	2.75	2.49	2.25
2081908	Mabuchi Motor	FK260SA-10400	5	12	0-15	0.13	5330	16.33	58.4	0.08"/solder	0.08	0.474	0.952 x 1.06	1.49	1.25	1.09
2155153	Nichibo	PC260SB-10400-NR38	5	12	1.5-15	0.053	4719	97.6	55.0	0.08"/solder	0.08	0.23	0.72 x 1.06	1.95	1.75	1.49
231896	ReliaPro	FE-260-08450	1	12	6-12	0.11	5560	10.3	46.6	0.12"/solder	0.078	0.314	0.937 x 1.063	2.49	2.25	1.95
232005	ReliaPro	UC-280S-19160	9	12	6-12	0.57	9000	46.6	63.4	0.08"/solder	0.078	0.433	0.944 x 1.200	2.95	2.75	2.49
2125528	Mabuchi Motor	RS-385SH	12	12	6-24	0.89	8170	80.5	62.5	0.11"/solder	0.09	0.56	1.47 x 1.08	2.95	2.49	1.95
1810099	Mabuchi Motor	FK-260SA (14280)	5	12	12-24	0.063	8600	14.8	55.0	0.08"/solder	0.08	0.43	0.96 x 1.06	1.75	1.49	1.25
2081895	Mabuchi Motor	FC-280ST-18180*	9	12	8-15	0.16	9700	54.3	59.08	Wire/push-in	0.08	0.45	0.95 x 1.32	1.19	.99	.75
232022	ReliaPro	MD5-1885	15	12	6-18	0.74	9820	53.5	60.7	0.11"/solder	0.091	0.622	1.082 x 1.279	3.25	2.95	2.65
232040	ReliaPro	MD5-2070	15	12	6-12	1.20	12150	62.2	54.1	0.12"/solder	0.091	0.622	1.082 x 1.279	2.75	2.49	2.25
232047	ReliaPro	MD5-2445	15	12	6-12	2.05	19850	79.7	66.0	0.12"/solder	0.091	0.622	1.082 x 1.279	3.25	2.95	2.65
2082185	Johnson Electric	H615-65050	18	13.6	5.0-13.6	1.44	4575	99.2	—	0.11"/solder	0.124	0.65	1.4 x 1.96	2.25	1.95	1.75
232101	ReliaPro	MD5-1980AS-AA	19	24	12-24	1.43	22600	88.5	60.9	0.24"/solder	0.091	0.512	1.083 x 1.279	3.25	2.95	2.75
2120461	Mabuchi Motor	RS385PH-10280	15	24	—	0.261	2225	11.08	59.8	0.11"/solder	0.09	0.64	1.15 x 1.5	1.95	1.75	1.49

* Reverse

Hi-Torque

237391	ReliaPro	29SYT003	20	13.5	13.5	13	18000	509	—	Quick connect	0.125	1.003	1.141 x 2.283	\$8.95	\$7.95	\$6.95
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Gear Motor with 64 CPR Encoder

- Stall torque: 125 oz in @ 6V, 250 oz in @ 12V
- Current: 250mA @ 6V, 300mA @ 12V
- Stall current: 2.5V @ 6V, 5A @ 12V
- RPM: 80 @ 12V • Gear ratio: 131:1
- Size: 2.71" x 1.45" x 1.45"
- Output shaft: 0.61"L x 6 mm dia. D-shape



NEW MARKED IN PINK

Part No.	Mfr. Part No.	Weight	1	5
2136438	1447	8.1 oz.....	\$39.95	\$37.95



120VAC Gear Motor

6.0 RPM – 2.9 Watts

- Operating voltage: 120VAC @ 60Hz
- Torque: >3.6 kg-cm • 12" wires connector
- Screw down tabs for mounting (2.3" diagonal mounting hole space) • Shaft Dia. length: .27" x .65"
- Typical applications: air conditioner turnleaf motor, microwave turnplate motor • Size: 2.0"Dia. x 1.0"D



Part No.	Product No.	1	5	25
213488	SOTYZ-R	\$12.95	\$11.49	\$9.95



Centering Pager Gear Motor

- Current @ 6V: 20mA • 5cm leads
- Stall current @ 6V: 220mA
- Stall torque @ 6V: 3.17 in oz.
- Gear ratio: 81:1 • RPM @ 6V: 454
- 0.14" pre side, sq. output shaft
- 60° swing or continuous rotation



Part No.	Mfr. P/N	Size (L" x W" x H")	1	5
2135831	GM10	0.82 x 1.14 x 1.0	\$12.95	\$11.95

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Reversible Gear Head Motors

JAMECO ReliaPro

6, 12 & 24VDC Reversible Gear Head Motors

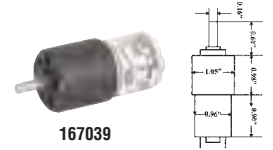
JAMECO
EXCLUSIVE

★ Web Code: KBB

- Solder-type terminal
- High torque construction
- Dielectric strength: 300VDC
- Insulation resistance: 10MΩ
- Oil bearing design for long service life

HN27GD Series

Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	@ Maximum Efficiency			Gear Ratio	Gear Case Size Dia. x Length (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing		
				Current (mA)	Speed (RPM)	Torque (g-cm)					1	5	25
167039	GH12-0953YR	12	4.5 - 24	90	9	1200	188:1	1.1 x 1.0	1.0 x 0.9	.16 x .60	\$18.95	\$16.95	\$15.25
249480	GH12-1213Y7-0	12	4.5 - 24	51	90	460	70:1	1.1 x 0.6	1.0 x 0.9	.16 x .60	19.95	18.95	17.95
167047	GH12-1828YR	12	4.5 - 24	195	31	1300	90:1	1.1 x 0.8	1.1 x 1.3	.16 x .60	23.95	21.95	19.95



HN27GD Series

GH30GM Series

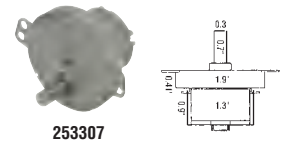
Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	@ Maximum Efficiency			Gear Ratio	Gear Case Size Dia. x Length (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing		
				Current (mA)	Speed (RPM)	Torque (g-cm)					1	5	25
153438	GH12-1045YR	12	3.0 - 12	90	13	800	200:1	1.1 x 0.6	0.9 x 1.0	.16 x .70	\$15.95	\$14.95	\$13.95
170642	GH12-1828Y-10	12	6.0 - 24	105	8	3500	332:1	1.2 x 0.9	1.2 x 1.2	.16 x .70	24.95	22.49	19.95
159418	GH12-1921YR	12	4.5 - 12	200	25	2000	132:1	1.2 x 0.9	1.2 x 1.2	.16 x .70	23.95	21.95	19.95
162191	GH12-1324Y225R	12	4.5 - 12	145	190	300	30:1	1.1 x 0.6	1.0 x 0.9	.16 x .70	17.95	15.95	13.95



GH30GM Series

32GM Series

Part No.	Cross Ref. No.	Rated Voltage (VDC)	Current (mA)	Speed (RPM)	Torque (g-cm)	Gear Ratio	Gear Case Size Dia. x Height (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing		
										1	5	25
253323	B32-6V7RPM	6	40	6	1500	176:1	1.9 x 0.41	1.3 x 0.9	.30 x .70	\$12.95	\$11.49	\$9.95
253307	32-002	6	38	8	1200	150:1	1.9 x 0.41	1.3 x 0.9	.30 x .70	17.95	15.95	13.95



32GM Series

38GM Series

Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	Current (mA)	Speed (RPM)	Torque (g-cm)	Gear Ratio	Gear Case Size Dia. x Length (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing		
											1	5	25
253534	38-010	12	97	24	7500	250:1	1.46 x 1.0	1.3 x 0.9	.24 x .50	.16 x .70	\$16.95	\$14.95	\$13.49
253526	38-009	12	93.5	36	5400	167:1	1.46 x 1.0	1.3 x 0.9	.24 x .50	.16 x .70	13.95	12.49	10.95
253518	38-008	12	87.5	40	4800	150:1	1.46 x 1.0	1.3 x 0.9	.24 x .50	.16 x .70	14.95	13.49	11.95
253500	38-007	12	82	60	3200	100:1	1.46 x 0.7	1.3 x 0.9	.24 x .50	.16 x .70	17.95	15.95	13.95
253489	38-005	12	76	110	1300	56:1	1.46 x 0.7	1.3 x 0.9	.24 x .50	.16 x .70	14.95	13.49	11.95
253471	38-004	12	74	120	1100	50:1	1.46 x 0.7	1.3 x 0.9	.24 x .50	.16 x .70	14.95	13.45	11.95
253446	38-001	12	61.8	600	350	10:1	1.46 x 0.7	1.3 x 0.9	.24 x .50	.16 x .70	17.95	15.95	14.49



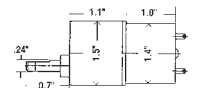
38GM Series

GH35GM Series Plastic Gears

Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	@ Maximum Efficiency			Gear Ratio	Gear Case Size Dia. x Length (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing		
				Current (mA)	Speed (RPM)	Torque (g-cm)					1	5	25
155012	GH12-1926YR	12	4.5 - 12	250	2	6000	3000:1	1.4 x 0.9	1.3 x 1.0	.23 x .90	\$24.95	\$22.49	\$19.95
155821	GH12-1830Y-P-R	12	4.5 - 12	220	4.5	4500	1000:1	1.4 x 0.9	1.3 x 1.0	.23 x .90	23.95	21.95	18.95
155839	GH12-1641T-L-R	12	3.0 - 12	250	20	3000	270:1	1.4 x 0.8	1.3 x 1.0	.23 x .90	25.95	22.95	19.95
152911	GH12-1926YR	12	4.5 - 12	172	40	2370	100:1	1.4 x 0.6	1.3 x 1.2	.24 x .90	24.95	22.49	19.95
155855	GH12-1641T-F-R	12	3.0 - 12	250	71	1000	60:1	1.4 x 0.6	1.3 x 1.0	.23 x .90	24.95	22.49	19.95
151441	GH12-1632T-L-R	12	4.5 - 12	275	57	2200	100:1	1.4 x 0.6	1.3 x 1.0	.23 x .90	23.95	22.95	21.95
155863	GH12-1926Y-F-R	12	4.5 - 12	300	70	1000	60:1	1.4 x 0.7	1.3 x 1.0	.24 x .70	22.95	21.95	19.95
161374	GH12-1345T-R	12	4.5 - 12	185	116	650	30:1	1.3 x 0.9	1.5 x 0.7	.23 x .90	23.95	21.95	19.95
161382	GH12-1634T-R	12	4.5 - 12	293	145	850	30:1	1.4 x 0.6	1.3 x 1.0	.23 x .90	24.95	22.49	19.95
164786	GH12-1640YR	12	4.5 - 24	120	220	180	10:1	1.4 x 0.6	1.3 x 1.1	.23 x .90	24.95	22.49	19.95
176050	GH12-1640Y00R	24	12 - 24	340	1.8	6000	3000:1	1.4 x 1.0	1.3 x 1.0	.23 x .90	23.95	21.95	19.95
176032	GH24-1640Y06R	24	12 - 24	340	50	2000	90:1	1.4 x 0.6	1.3 x 0.9	.23 x .90	25.95	22.95	19.95
176023	GH24-1640Y19R	24	12 - 24	340	148	1000	30:1	1.4 x 0.6	1.3 x 0.9	.23 x .90	25.95	22.95	19.95



155012



155013
GH35GM Series

GH35GM Series Metal Gears

Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	Current (mA)	Speed (RPM)	Torque (g-cm)	Gear Ratio	Gear Case Size Dia. x Length (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing		
											1	5	25
155013	HN-GH12-1632T-R-M	12	4.5 - 12	250	2	6000	3000:1	1.3 x 0.9	1.5 x 1.1	.23 x .90	\$23.95	\$21.95	\$19.95
155822	GH12-1830Y-P-R-M	12	4.5 - 12	250	4.5	4500	1000:1	1.3 x 0.9	1.5 x 1.0	.23 x .90	23.95	21.95	18.95
151442	HN-GH12-1632T-R-M	12	4.5 - 12	275	57	2200	100:1	1.3 x 0.9	1.5 x 0.7	.23 x .90	22.95	20.49	17.95



Gear Head Motor

- Current @ 6V: 57mA
- Stall current @ 6V: 633mA
- Stall torque @ 6V: 59.26 in. oz.
- Gear ratio: 143:1
- RPM @ 6V: 80
- Size: 2.2"L x 1.9"W x 0.9"H



Part No.	Mfr. Part No.	1	5	25
400995	GM8	\$6.95	\$6.25	\$5.75

Gear Head Motor Pair w/ 90° Shaft

- Recommended voltage: 4.5VDC
- No load speed: 90 RPM ±10
- No load current: 190mA (max. 250mA)
- Torque: 800 gf cm (min.)
- Size: 2.5"L x 1.5"W x 0.9"H



Part No.	Mfr. Part No.	1	5	25
2150432	DG01D	\$6.49	\$5.95	\$5.49



Miniature Gear Motor

- Input voltage: 6V
- Gear ratio: 100:1
- Free-run speed @ 6V: 320 RPM
- Stall torque @ 6V: 25 oz-in.
- Size: 0.94"L x 0.39"W x 0.47"H
- Weight: 0.34 oz.



Part No.	Mfr. Part No.	1	5
2128219	1101	\$15.95	\$14.95

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

NAME BRANDS	4 LEVELS OF SAVINGS	FACTORY OVERRUN	DOLLAR SALE

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

Stepper & Servo Motor Controllers

4 LEVELS OF SAVINGS			
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE



- Easy to set up; easy to use
- Daisy chainable on a 4 wire bus
- USB/RS232/RS485 Interface available

★ Web Code: **VBA**



4-Axis Stepper Controller & Driver

- Full-featured 4-axis 32-bit position controller with power drivers
- Four independent 1-Amp chopper (PWM) drives
- Operates from 9-30V
- RS-485 and USB communication via virtual comm port
- On-board EEPROM for user program storage
- Daisy-chain up to 16 units
- Stand alone operation with no connection to a PC
- 12 ADC inputs, halt/branch on ADC value
- Milliohm FETs; runs cool
- Dimensions: 2.25"L x 2.25"W x 0.7"H



Part No.	Product No.	1	5
2123291	EZ4AXIS	\$379.95	\$359.95

USB Stepper Controller & Driver

- Full-featured 1-axis 32-bit position controller with power drive
- 0.5A power drive
- Operates from 9-30V or USB port
- USB communication via virtual comm port
- On-board EEPROM for user program storage
- Daisy-chain up to 16 units
- Stand alone operation with no connection to a PC
- 4 inputs, 2 outputs, halt/branch on input status
- Milliohm FETs; runs cool
- Dimensions: 2.0"L x 1.0"W x 0.5"D



Part No.	Product No.	1	5
2123303	STEPPER-STICK-CD	\$159.95	\$149.95

Inch-Size Stepper Controller & Driver

- Go Left, Go Right upon switch closure
- 1 Amp chopper (PWM) drive
- Operates from 9-30V
- Potentiometer-settable speed and current
- No programming required
- Acceleration programmable via resistor change.
- 2 direction and 2 limit switch inputs
- Milliohm FETs; runs cool
- Dimensions: 1.0"L x 1.0"W x 0.5"D



Part No.	Product No.	1	5
2123311	Intelli-Inch-LRR	\$74.95	\$69.95



2-Amp Dual-Channel Motor Controller

This motor controller uses the high-power L298N motor driver chip, which allows for direct drive of 2 bidirectional DC motors. It can drive up to 2A of current per motor, and uses a broad brush design to reduce wire resistance.

- Logic input voltage: 6V-12V (at 36mA)
- Drive input voltage: 4.8V-46V (at 2A)
- Max. power dissipation: 25W
- Drive type: dual high-power H-bridge driver
- Operating temperature: -25°C to +130°C

NEW
MARKED IN PINK



Part No.	Mfr. Part No.	Size (L" x W")	Wt. (oz.)	1	5
2159411	DRI0002	1.9 x 2.1	1.03	\$19.95	\$18.95



High Power Motor Driver

- N-channel MOSFET H-bridge enables bidirectional control one of DC brushed motor
- 5.5-30V operating voltage range
- 15 amps continuous output current per channel without heat sink
- Able to provide 21A continuous current with a heatsink
- Only 2 I/O lines allow for both sign magnitude and locked-antiphase operation
- 40kHz max. PWM frequency
- 5.5V max. logic voltage
- Soldering required



Part No.	Mfr. Part No.	Size (L" x W")	Wt. (gram/oz.)	1	5
2128235	755	0.8 x 1.3	2.8/0.1	\$39.95	\$37.95

KAE Industrial Motion Controllers for Brush, Brushless & Stepper Motors

- 323942: • For brush-type DC motors with 2 or 3 channel incremental encoders
- P.I.D. Servo control, trapezoidal position profiling, velocity mode, 32-bit resolution
- Integrated 12 to 48VDC supply power amplifier @ 3A continuous, 6A peak
- Limit switch inputs, general purpose analog input, PWM, DIR output for use with external amps

- 323951: • For 3-phase brushless motors with hall effect sensors or conventional DC brush-type motors
- Amplifier capable of driving 6A continuously @ up to 48VDC

- High current amplifier: 7A continuous, 10A peak, 12 to 48VDC supply
- Support for linear & circular interpolation using the PIC-SERVO CMC chipset
- 184997: • Trapezoidal position profiling, velocity mode, up to 50,000 steps/sec.
- Full/half step bipolar chopper drive, 2A per phase, 7.5 to 46VDC supply
- Integrated indexer and driver for 2 or 4 phase stepper motors

Part No.	Description	Size (L" x W" x H")	1	5
323942	PIC-SERVO motor control board	3.1 x 2.1 x 0.9	\$159.95	\$151.95
323951	PIC-SERVO 3-phase motor control board	3.1 x 3.1 x 0.9	\$239.95	\$227.95
184997	PIC-STEP motor control board	3.1 x 2.1 x 0.9	\$159.95	\$151.95



MegaMoto Motor Control Shield

A robust H-bridge motor shield for Arduino™ allowing control of up to 30A of current at up to 28V.

- Compatible with Arduino Uno, Duemilanove, Mega, and other units with the same footprint
- Up to 3 MegaMoto shields can be stacked to control up to 6 motors in half-bridge mode
- Input voltage range: 5-28V (24V max. battery rating)
- Output current (continuous): 13A
- PWM frequency: DC to 20kHz



Part No.	Mfr. Part No.	1	5
2128534	MEGAMOTO	\$59.95	\$56.95

RoboteQ Single & Dual-Channel Forward/Reverse DC Brushed Motor Controllers

- Multiple command modes: RS-232, 0-5V analog, or pulse (RC radio)
- Built-in temperature sensors
- Programmable motor acceleration
- Short-circuit, over/undervoltage, overtemperature protection
- Built-in Basic Language programming support

2152462

2152551

2152593

2152542

Part No.	Mfr. Part No.	Description	1	5
2152462	SDC2130S	1x40A @ 30V, with USB mode	\$174.95	\$164.95
2152542	MDC2250	2x60A @ 50V, with USB and encoder inputs	\$374.95	\$349.95
2152551	AX2550	2x120A @ 40V, no basic programming	\$495.95	\$469.95
2152593	HDC2450	2x150A @ 50V, with USB and encoder inputs	\$649.95	\$599.95
2152681	VDC2450	2x150A @ 50V	\$549.95	\$499.95



DC Motor Speed Control Kit

This kit uses Pulse Width Modulation (PWM) to vary the speed of a DC motor and maintain torque.

- For use with motors up to 100VDC/5A max.
- Intermediate level kit
- Total of 35 pieces
- Dimensions: 3.6"L x 2.3"W x 1.2"H
- Requires a 5-16VDC supply (Not included, recommend P/N 114825, pg.105)

★ Web Code: **ERK**



Part No.	Mfr. Part No.	1	5
127829	GMC-1102	\$36.95	\$34.95

Complete selection of Motor Controllers available online — Enter web code **VBA**

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Bipolar & Unipolar Stepper Motors

★ Web Code: UBN

Jameco offers the industry's widest variety of off-the-shelf two-phase bipolar and four-phase unipolar stepper motors for your precision applications. Be sure to check out the wide selection of 2 to 24VDC models below.

- Ball bearings
- Dielectric strength: 500V, 50Hz/minute
- Insulation resistance: 100MΩ @ 500VDC
- 18" lead wires
- Ambient temp.: -10°C to +55°C
- Use P/N 161998, pg 177, for shaft coupler

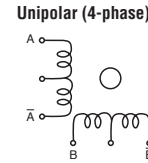
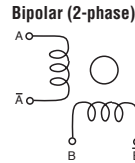


Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10

Part No.	Product No.	Fig.	Drive System	Rated Voltage (VDC)	Step Angle (°/5%)	Phase Resis. (Ω)	Curr. (mA)	Phase Inductance (mH)	Detent Torque (g-cm)	Holding Torque (g-cm)	Mounting Hole Space (in.)	Mounting Holes (in.)	Shaft Dia. (in.)	Shaft Length (in.)	Motor Dia. (in.)	Motor Depth (in.)	Wt. (lbs.)	Pricing		
																		1	5	25
1581231	42BYGHM206-07E	3	Unipolar	4	0.9	8.4	670	10	—	793	1.79	0.08	0.195	0.88	1.67	1.27	0.46	\$21.95	\$19.95	\$17.95
237607	57BYGH001	1	Unipolar	5	1.8	5	1000	—	—	3976	1.86	0.20	0.25	0.83	2.24	1.61	1.10	29.95	26.95	23.95
237825	25BY4801	4	Unipolar	5	7.5	10	500	—	45	110	1.38	0.14	0.08	0.35	0.98	0.56	0.07	9.95	8.95	7.95
223870	57BYG070	2	Unipolar	5.4	1.8	3.6	1500	6	977	8974	2.65	0.20	0.25	0.80	2.20	2.20	2.00	29.95	26.95	23.95
237631	57BYGH803	1	Unipolar	6.3	1.8	4.2	1500	—	—	14276	1.86	0.20	0.25	0.83	2.24	2.99	2.43	49.95	44.95	39.95
2138812	35BY48I030-01	5	Unipolar	7	7.5	20	350	11	125	450	1.59	0.12	0.078	0.47	1.37	0.85	0.22	8.95	7.95	6.95
224022	42BYG016	6	Unipolar	12	1.8	75	160	40	150	900	1.73	0.10	0.20	0.70	1.70	1.30	0.50	21.95	19.95	17.95
155433	42BYG228	6	Unipolar	12	1.8	30	400	23	220	2000	1.73	0.10	0.20	0.90	1.70	1.50	0.50	20.95	18.95	16.95
237543	57BYG007	2	Unipolar	12	1.8	32	380	30	—	2957	1.86	0.20	0.25	0.83	2.29	1.61	1.00	24.95	22.49	19.95
238538	42BYGH404	7	Unipolar	12	1.8	30	400	25	250	3200	1.22	0.10	0.20	0.95	1.67	1.89	0.60	21.95	19.95	17.95
162027	57BYG084	2	Unipolar	12	1.8	20	600	22	725	6000	2.65	0.20	0.25	1.00	2.20	2.00	1.30	35.95	32.25	28.95
238115	35BY48B08	8	Unipolar	24	7.5	75	320	38	65	270	1.65	0.13	0.08	0.35	1.38	0.59	0.15	8.95	7.95	6.95
237729	42BY48H07	9	Unipolar	24	7.5	85	280	78	130	780	1.95	0.14	0.12	0.39	1.65	0.87	0.27	6.95	5.95	4.95
237526	42BYGH001	1	Bipolar	2	1.8	2.1	950	2.3	200	1700	1.22	0.10	0.20	0.95	1.67	1.34	0.50	19.95	17.95	15.95
2120479	RDS3000	10	Bipolar	4	1.8	4	1000	10	—	3600	1.21	0.09	0.195	0.312	1.67	1.62	0.40	19.95	17.95	15.95
237490	39BYG001	6	Bipolar	5	1.8	5	1000	—	150	1800	1.22	0.10	0.20	0.91	1.54	1.34	0.44	21.95	19.95	17.95
237578	57BYG061	2	Bipolar	6	1.8	12	500	24	—	3569	1.86	0.20	0.25	0.83	2.29	1.61	1.00	34.95	31.95	28.95
237519	42BYG017	6	Bipolar	6.3	1.8	15	420	16	150	1400	1.22	0.10	0.20	0.51	1.67	1.34	0.50	21.95	19.95	17.95
155460	42BYG023	6	Bipolar	12	1.8	30	400	36	220	2100	1.73	0.10	0.20	0.60	1.70	1.30	0.50	21.95	19.95	17.95
237472	39BYG401A	6	Bipolar	12	1.8	30	400	32	200	2100	1.22	0.10	0.20	0.95	1.54	1.34	0.44	21.95	19.95	17.95

*155460: Dual shaft

Serial Servo Controller Module

- Controls 8 pulse-proportional servos
- Receives serially at 2400 or 9600 baud
- Module is addressable, allowing 2 units to share the same line to control a total of 16 servos
- Connections to serial input can be established using a modular jack (P/N 115554, pg 52) or modular adapter from DB9 to RJ11 (P/N 114738, pg 53)
- Size (PCB): 1.9"L x 1.4"W • One-year warranty



★ Web Code: VBA

Part No.	Description	1	5
151001	Mini SSC II	\$43.95	\$39.95

6-Channel USB Servo Controller

- 5-16V operating voltage
- USB, TTL (5V) serial & internal scripting
- 0.25µs resolution with built-in speed and acceleration control
- Configure channels as outputs for RC servos, ESCs, digital outputs or analog inputs
- 1kB internal script memory
- Can be daisy-chained
- Free config. & control app for Windows®

★ Web Code: VBA



Part No.	Mfr. Part No.	Size (L" x W")	1	5
2128180	1350	1.2 x 0.85	\$19.95	\$18.95

4-Channel DC Motor Controller with Encoder Support

- Each channel rated for 4A of stall current
- Built-in control logic allows 2-pin motor control (one pin for speed, one pin for direction)
- Low resistance FET "H" bridges
- Designed for the Rover 5 chassis (P/N 2143865, pg 170)

NEW MARKED IN PINK



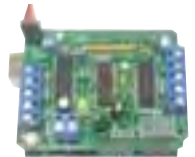
Includes: Quadrature encoder mixing circuit

Part No.	Mfr. Part No.	Size (L" x W")	Motor Supply	1	5
2150539	RS011MC	3.75 x 2.75	12VDC max.	\$21.95	\$19.95

Motorshield for Arduino

This MotorShield will be a great kit to help power and control your motors by simply using your Arduino. Power up and control your servos, bidirectional DC motors and stepper motors in a variety of combinations. This kit includes all the necessary parts, except the motors and the Arduino. Assembly is required.

★ Web Code: ARD



- L293D shipset with 4 H Bridges and 0.6A per bridge
- Run motors on 4.5VDC to 36VDC
- Up to 4 bi-directional DC motors with individual 8-bit speed selection
- Up to 2 stepper motors with single coil, double coil, or interleaved stepping
- 2-pin terminal block and jumper to connect external power
- Downloadable easy-to-use Arduino software library

Part No.	Mfr. Part No.	1	5
2121130	81	\$19.95	\$18.95

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Servo Motors & Solenoids

4 LEVELS OF SAVINGS			
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE

Servo Motors and Accessories

- + pulse width 1500µsec. neutral control system
- Operating voltage range: 4.8V to 6V

ALITEC



★ Web Code: SMA

Motors

Part No.	Manufacturer Part No.	Oper. Speed (4.8V@no load)	Stall Torque @ 4.8V (kg.cm)	Direction	Operating Angle	Current Drain (mA, idle/ma no load)	Dimensions (L" x W" x H")	Pricing	
								1	5
2128198	105	.12sec/60°	0.6	Clockwise	—	—	0.8 x 0.3 x 0.8	\$9.95	\$8.95
2150416	RS001A	.12sec/60°	1.5	Clockwise	—	—	1.3 x 0.5 x 1.1	4.95	4.49
2144497	SER0019	.17sec/60°	10	Clockwise	—	150mA	3.2 x 2.4 x 2.4	24.95	22.95
395760	HS-322HD	.19sec/60°	3.0	Clockwise	40°/one side pulse	7.4/160	2.1 x 0.8 x 1.4	14.95	13.49
358635	HS-311	.19sec/60°	3.0	Clockwise	40°/one side pulse	7.4/160	1.5 x 0.8 x 1.1	16.95	15.95
358619	HS-805BB	.19sec/60°	19.9	Clockwise	45°/one side pulse	8/700	2.6 x 1.2 x 1.3	59.95	56.95
395786	HS-422	.21sec/60°	3.3	Clockwise	45°/one side pulse	8/150	1.6 x 0.8 x 1.4	19.95	18.95
2124980	HS-485HB	.22sec/60°	4.8	Clockwise	45°/one side pulse	8/150	1.6 x 0.8 x 1.5	19.95	17.95
2124971	HS-645MG	.24sec/60°	7.7	Clockwise	45°/one side pulse	8.8/350	1.6 x 0.8 x 1.5	37.95	33.95

* Manufacturer: Pololu Corp.

Accessories

Part No.	Description	1	5
358811	Servo gripper, 1.3" opening (compatible with all servos above)	\$19.95	\$18.95
396279	3 color servo wire (red, black, yellow), 22-20, 50'	15.95	14.49
2109931	10" female-to-female 3-wire extender (included 3-pin M-M header)	3.95	3.59
2143902	24" male-to-female twisted servo extension cable	3.95	3.75
2143911	12" female-to-2x female servo Y splitter cable	3.95	3.75



PARALLAX & Pololu Continuous Rotation Servos

Controlled easily from a BASIC Stamp or SX chip I/O pin using PBASICs or SX/B's PULSOUT commands.

- 4-6VDC @ ~190mA

2128201: 2 ball bearings on the output shaft for reduced friction

2110692/283021: Holds position over 180° range; standard servo

283039: Bidirectional continuous rotation and includes an adjustable potentiometer port to center the servo

Part No.	Mfr.	Mfr. Part No.	Stall Torque @ 6V	Size (L" x W" x H")	Weight (oz.)	1	5
2128201	Pololu	1248	66.7 oz.-in.	1.7 x 0.8 x 1.6	1.55	\$13.95	\$12.95
283021	Parallax	900-00005	43.1 oz.-in.	2.2 x 0.8 x 1.6	1.55	14.95	13.95
283039	Parallax	900-00008	47 oz.-in.	2.2 x 0.8 x 1.6	1.50	14.95	13.49
2110692	Parallax	900-00014	19.4 oz.-in.	0.9 x 0.37 x 0.61	0.31	17.95	15.95

2128201



Servo motors can be used in a wide variety of applications from making robots walk, to remote-controlled vehicle movement. These servos come in miniature sizes for small projects and larger sizes for industrial purposes. For the full line of servo motors, visit www.jameco.com/Servos



12VDC & 24VDC Continuous Push/Pull Solenoids

★ Web Code: MEJ



Part No.	*Mfr.	Product No.	Type	Volt. (VDC)	Coil Res. (±10%) (Ω)	Power Consump. (W)	Holding Force (lbs. @20°C)	Stroke (in.)	Dimensions Length x Dia. (in.)†	Shaft Dia. (in.)	Wt. (lbs.)	Pricing		
												1	5	25
1919385	JRP	SMO-0420S12STD	Open frame-push	12	120	1.2	0.04	0.10	0.8 x 0.5 x 0.4	0.060	0.02	\$12.95	\$11.49	\$9.95
262247	JRP	SMO-0520L12STD	Open frame-pull	12	90	1.6	0.16	0.24	0.8 x 0.6 x 0.5	0.200	0.04	12.95	11.49	9.95
262167	JRP	SMT-1325L12STD	Tubular-pull	12	36	4.0	0.11	0.47	1.0 x 0.5	0.200	0.05	14.95	13.45	11.95
142464	JRP	SH-T1130L-12VDC	Tubular-pull	12	36	4.0	0.63	0.40	1.6 x 0.4	0.150	0.04	11.95	10.95	9.95
215141	JRP	SMT-2251L24AA	Tubular-pull	24	60	10.0	4.00	1.00	3.0 x 1.0	0.440	0.40	15.95	14.49	12.95
149754	JRP	SMT-1325S12A	Tubular-push	12	36	4.0	0.75	0.47	1.9 x 0.5	0.063	0.05	19.95	17.95	15.95
149762	JRP	SMT-1632S12A	Tubular-push	12	21	7.0	1.50	0.24	2.5 x 0.6	0.098	0.10	16.95	15.25	13.75
1919203	LEX	191172-001	Stroke-push	12	45	7.3	—	0.125	1.0 x 0.5	0.060	0.10	4.49	3.95	3.59

† Open frame type dimensions: L" x W" x H"

#For compression spring, recommend P/N 2131506, pg 87

* JRP = Jameco ReliaPro | LEX = Ledex

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

24VDC Pull-Type Solenoid

Powerful 22-26VDC solenoid with spring return. Also works with 12VDC.

- 3.3-4.2Ω coil
- Pull force: 3.7 lbs. @ 24VDC
- 3.4" mounting bracket attached to body
- 3" long plunger



Part No.	Mfr. Part No.	Size (Dia. " x L")	1	5
2137941	SOL-58	0.77 x 1.82	\$3.95	\$3.59

12VDC Power Solenoid

- 12VDC • 4Ω coil
- Handles a 225A load
- Intermittent 50% duty cycle
- 1/4-20 copper studs
- Contractors power solenoid
- 2.25" mounting centers • Size: 1.86" x 3" base



Part No.	Product No.	1	5	25
1585645	93285	\$3.95	\$3.49	\$2.95

12VDC Solenoid Valve

- Current: 350mA
- Operating voltage: 12VDC
- Dimensions: 1.2" L x 0.92" Dia.
- Air leakage: 4psi, 1c.c./min. max.
- 0.250" quick disconnect terminals
- Operational temp.: -29°C to 85°C



★ Web Code: MEJ

Part No.	Product No.	1	5	25
169835	TAV-0829-R	\$10.95	\$9.95	\$8.95

DC TOY MOTOR GRAB BAG

Part No.	Price
18294	\$7.95

See page 39 for Grab Bags.

Call for additional OEM PRICING – we carry major manufacturers.

DC Brushless Tubeaxial Fans & Blowers

★ 5V Web Code: TAS



★ 12V Web Code: LBZ

mm to Inches Conversion Chart



695050



1581249



1809936



2095269

mm	6	6.8	10	15	20	25	28	30	32	35	38	40	45	51	60	70	75	76	80	92	95	94	97	120	125	126	127	150	172
Inches	0.24	0.27	0.40	0.60	0.80	1.00	1.10	1.18	1.26	1.40	1.50	1.60	1.80	2.00	2.36	2.76	2.95	2.99	3.15	3.63	3.74	3.70	3.82	4.72	4.92	4.96	5.00	5.90	6.77

Part No.	Manufacturer	Mfr. Part No.	Voltage (VDC)	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing			
												1	10	50	100
2095285	Adda	AD1505LX-K90	5	15 x 15 x 6	0.1	Hypro	50	0.25	CE	9.6	5.5"	\$8.95	\$7.95	\$6.95	\$5.95
2095277	Adda	AD2005LX-G70	5	20 x 20 x 10	0.6	Hypro	80	0.4	UL/CUL/CSA/TUV/CE	20	5.5"	5.95	4.95	3.95	2.95
2131872	Adda	AD0205MX-K53-LF	5	25 x 25 x 6	2.2	Hypro	120	0.6	UL/CUL/TUV/CE	26	6" ¹	8.95	7.95	6.95	5.95
131247	Adda	AD0205LX-G50	5	25 x 25 x 10	1.8	Sleeve	100	0.5	UL/CSA/CE	15.6	5.5"	11.95	10.95	8.95	7.95
695050	Sunon	GM0502PFV2-8	5	25 x 25 x 10	3.0	Vapo	80	0.4	UL/CUL	16	5.5"	10.95	9.95	8.95	7.95
1708481	Sunon	KDE0502PHB3-8 (MS)	5	25 x 25 x 15	1.8	Ball	80	0.4	UL/CUL	16	4"	7.95	6.95	6.25	5.59
2131899	Adda	AD0305LX-K70-LF	5	30 x 30 x 6.8	2.5	Hypro	90	0.45	UL/CSA/TUV/CE	20	6"	4.95	4.49	3.95	2.95
1928311	Adda	AD0305LB-K70	5	30 x 30 x 6.8	2.5	Ball	60	0.3	UL/CUL/TUV/CE	30	6"	4.95	4.49	3.95	2.95
2099497	Adda	AD0305MX-K70	5	30 x 30 x 6.8	3.3	Hypro	120	0.6	UL/CSA/TUV/CE	27.9	5.5"	4.95	4.49	3.95	2.95
1951211	Sunon	KDE0503PEV1-8 (MSN)	5	30 x 30 x 6.8	4.9	Vapo	180	0.9	UL/TUV/CE	28	6"	4.95	4.49	3.95	2.95
1951220	Sunon	KDE0503PEB3-8 (MSN)	5	30 x 30 x 6.8	4.9	Ball	180	0.9	UL/TUV/CE	28	6"	5.95	4.95	3.95	3.49
2099489	Adda	AD0305HX-G50	5	30 x 30 x 10	4.2	Hypro	170	0.85	UL/CUL/TUV/CE	30.7	5.5"	5.95	4.95	3.95	2.95
1950534	Sunon	KDE0503PFB1-8V	5	30 x 30 x 10	5.1	Ball	180	0.7	UL/TUV	22.5	5"	7.95	6.95	6.25	5.59
2095293	Adda	AD305HB-D50	5	30 x 30 x 15	3.7	Ball	130	0.65	UL/CUL/TUV/CE	22.5	11"	5.95	5.39	4.79	4.29
1708457	Sunon	KDE0504PEB3-8 (MS)	5	40 x 40 x 6.8	3.5	Ball	90	0.45	UL/CUL/TUV	20	6"	4.95	4.49	3.95	3.59
1928361	Adda	AD0405MB-K90 (S)	5	40 x 40 x 6.8	5.5	Ball	90	0.45	UL/TUV/CE	25	6"	5.95	4.95	3.95	3.49
2132031	Adda	AD0405HX-KC3(Y14X)LF	5	40 x 40 x 6.8	5.9	Hypro	60	0.6	UL/CSA/TUV/CE	27	5.5" ¹	6.95	6.25	5.59	4.95
1928353	Adda	AD0405HB-K90	5	40 x 40 x 6.8	6.0	Ball	120	0.6	UL/CUL/TUV/CE	30	5"	7.95	6.95	6.25	5.59
1581249	Sunon	KDE0504PFB3-8	5	40 x 40 x 10	4.6	Ball	70	0.35	UL/CUL	23.5	12"	6.95	6.25	5.59	4.95
2138628	Adda	AD0405MB-G70	5	40 x 40 x 10	5.7	Ball	110	0.55	UL/CUL/TUV/CE	20	12"	9.95	8.95	8.49	7.95
2131928	Adda	AD0405MX-G76-LF	5	40 x 40 x 10	5.7	Hypro	110	0.55	UL/CUL/TUV/CE	20	11" ²	6.95	6.25	5.59	4.95
1581265	Sunon	KDE0504PFS1-8	5	40 x 40 x 10	7.0	Sleeve	110	0.6	UL/CUL	27	12"	6.95	6.25	5.59	4.95
2100013	Delta	AFB0405LD-R00	5	40 x 40 x 20	5.6	Ball	210	1.05	UL/CSA/DE/CE	25	13" ²	4.95	4.49	3.49	2.95
1952741	Elina	KDC050420MB	5	40 x 40 x 20	6.8	Ball/Sleeve	210	1.0	UL/CUL/TUV	25.5	12"	5.95	4.95	3.95	3.49
2131910	Adda	AD0405MX-C50-LF	5	40 x 40 x 20	8.1	Hypro	160	0.8	UL/CUL/TUV/CE	27	5.5"	5.95	4.95	3.95	3.49
1951406	Delta	AFB0405HD-R00	5	40 x 40 x 20	8.5	Ball	400	2.0	UL/CUL/TUV/CE	33	12" ¹	6.95	6.25	5.95	4.95
2095251	Adda	AD4505MX-K90	5	45 x 45 x 6	7.1	Hypro	120	0.6	CE	25.5	5.5"	3.95	3.59	3.29	2.95
136494	Delta	AFB0505LA	5	51 x 51 x 10	7.4	Ball/Sleeve	80	0.4	UL/CE/CSA/VDE	26	11"	6.95	6.25	5.59	4.95
2150774	Adda	AD0505MB-G70-LF	5	51 x 51 x 10	10.5	Ball	180	0.9	UL/CUL/TUV/CE	24	12"	9.95	8.95	8.49	7.95
136275	Delta	BFB0505L [†]	5	51 x 51 x 15	2.5	Ball	140	0.7	UL/CE/CSA/VDE	26.5	12"	9.95	8.95	7.95	6.95
136283	Elina	KDC050515MB	5	51 x 51 x 15	12.7	Ball/Sleeve	380	4.0	UL/CE/CUL/TUV	28	11"	5.95	5.49	4.95	3.95
2131961	Adda	AD0605MX-D71GL-LF	5	60 x 60 x 15	14.2	Hypro	250	1.25	UL/CSA/TUV/CE	28.8	5"	4.95	4.49	3.95	3.59
2131952	Adda	AD0605MB-D71GL-LF	5	60 x 60 x 15	14.2	Ball	250	1.25	UL/CSA/TUV/CE	28.8	6"	6.95	6.25	5.59	4.95
1809944	Sunon	KDE0506PHB3	5	60 x 60 x 15	15.2	Ball	240	1.2	UL/CUL/TUV/CE	26.5	12"	6.95	5.95	5.25	4.95
2081756	Adda	AD0605HB-D71GL	5	60 x 60 x 15	16.6	Ball	370	1.8	UL/CUL/CE	32	6"	5.95	5.49	4.95	4.49
1708431	Sunon	KD0506PHB2	5	60 x 60 x 15	18.5	Ball	380	1.9	UL/CUL/TUV/CE	32	12"	8.95	7.95	6.95	6.25
1951414	Delta	AFB0605HD	5	60 x 60 x 20	16.6	Ball	240	1.2	UL/CUL/TUV/CE	28	12"	6.95	5.95	4.95	3.95
355493	Sunon	KD0506PTS3	5	60 x 60 x 25	15.9	Sleeve	230	1.2	UL/CUL/CE	26.7	6.5" w/conn	3.95	3.59	3.29	2.95
134869	Delta	AFB0605M	5	60 x 60 x 25	16.2	Ball	220	1.1	UL/CE/CSA/TUV	24.5	12"	5.95	5.39	4.79	4.29
2131944	Adda	AD0605HB-A70	5	60 x 60 x 25	23.2	Ball	450	2.25	UL/CUL/TUV/CE	32	11"	6.95	5.95	5.49	3.95
1951078	Mechatronics	F6025E05B2-FS	5	60 x 60 x 25	24	Ball	700	3.5	UL/CUL	36	12" ²	6.95	5.95	5.49	3.95
1951094	Mechatronics	E9225M05B2-FS	5	92 x 92 x 25	44	Ball	560	2.8	UL/CUL	32	12" ²	5.95	4.95	3.95	3.49
1951107	Mechatronics	F1238L05B2-FS	5	120 x 120 x 38	94	Ball	800	4.0	UL/CUL	36	12" ²	8.95	7.95	6.95	5.95
2095269	Adda	AD2012LX-K70	12	20 x 20 x 6	0.6	Hypro	60	0.72	CE	19.5	5.5"	7.95	6.95	5.95	4.95
2100363	Adda	AD0212LX-K50-LF	12	25 x 25 x 6	1.8	Hypro	60	0.3	UL/CUL/TUV/CE	20.5	5.5"	4.95	3.95	2.95	2.49
2131881	Adda	AD0212MX-K53-LF	12	25 x 25 x 6	2.2	Hypro	80	0.4	UL/CSA/TUV/CE	23	6" ¹	7.95	6.95	5.95	4.95
2095306	Adda	AD0212MB-K50 (S)	12	25 x 25 x 6	2.4	Ball/Sleeve	90	1.08	UL/CUL/TUV/CE	26	5.5"	11.95	10.95	9.95	8.95
1951641	Adda	AD0212LB-G50 (GL)	12	25 x 25 x 10	1.8	Ball	70	0.84	UL/CUL/CE	15.6	5.5"	6.95	6.25	5.59	4.79
1708449	Sunon	KDE1202PFB1-8 (V)	12	25 x 25 x 10	3.1	Ball	83	1.0	UL/CUL	33	6"	7.95	6.95	5.95	4.95
2131901	Adda	AD0312MB-G50-LF	12	30 x 30 x 10	4.1	Ball	120	0.6	UL/CSA/TUV/CE	28	6"	6.95	5.95	4.95	3.95
1708465	Sunon	KDE1203PFB2-8 (MS)	12	30 x 30 x 10	4.2	Ball	66	0.8	UL/CUL	25	6"	5.95	5.35	4.79	4.29
212784	Sunon	KDE1203PFB1-8V	12	30 x 30 x 10	5.1	Ball	75	0.9	UL/CUL/TUV/CE/VDE	27	4"	5.95	5.39	4.79	4.29
212783	Sunon	KDE1203PFB1-8	12	30 x 30 x 10	5.1	Ball	75	0.9	UL/CUL/TUV/CE/VDE	27	5.9"	7.95	6.95	5.95	4.95

¹ 3 leads; speed sensor² 3 leads; locked rotor protection

(All fans operate to their specs with or without the additional optional wire functions)

[†] Blower

Continued on next page

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1585291



1950446



125006



2078178

Part No.	Manufacturer	Mir. Part No.	Voltage (VDC)	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing			
												1	10	50	100
1928134	Adda	AD0312HB-D50	12	30 x 30 x 15	4.2	Ball	110	1.3	UL/CUL/TUV/CE	22.5	3" w/ conn	\$4.95	\$4.49	\$3.95	\$2.95
212741	Sunon	KDE1235PFB2-8	12	35 x 35 x 10	4.5	Ball	60	0.8	UL/CUL/TUV/CE/VDE	21	3" w/ conn	9.95	8.95	7.95	6.95
212760	Sunon	GM1235PFV1-8	12	35 x 35 x 10	7.0	Vapo	80	1.0	UL/CUL/TUV/CE	28	6"	12.95	11.49	10.95	9.95
2099500	Adda	AD0412HB-K96	12	40 x 40 x 6.8	6.0	Ball	80	0.72	UL/CUL/TUV/CE	30	5.5" ¹	8.95	7.95	6.95	6.25
210797	Sunon	KD1204PFV3	12	40 x 40 x 10	4.9	Vapo	60	0.6	UL/CUL/TUV/CE	24	12"	6.95	6.25	5.59	4.95
2138652	A-Power	FS0412MB #	12	40 x 40 x 10	5.35	Ball	40	0.48	UL/CSA/TUV/CE	22	8" w/ conn	5.95	5.39	4.79	4.29
279611	Toyo	T401012VH	12	40 x 40 x 10	5.8	Ball	90	1.1	UL/CUL/TUV/CE	33.5	12"	4.95	4.49	3.95	3.59
1585469	Y.S. Tech	FD1240107B-2N	12	40 x 40 x 10	6.6	Ball	90	1.08	UL/CUL/TUV	29	6"	3.95	3.49	2.95	2.59
1928054	Adda	AD0412HB-G70	12	40 x 40 x 10	6.7	Ball	100	1.2	UL/CUL/TUV/CE	25	2.5" w/conn	4.95	4.49	3.95	3.59
2100380	Adda	AD0412HX-G71-LF	12	40 x 40 x 10	6.7	Hypro	100	1.2	UL/CUL/TUV/CE	25	10"	5.95	4.95	3.95	3.49
290010	Adda	AD0412HB-G70	12	40 x 40 x 10	6.7	Ball	100	1.2	UL/CUL/TUV/CE	25	10" w/conn	5.95	4.95	4.49	3.95
212717	Sunon	KDE1204PFV2.11.MS.A.GN	12	40 x 40 x 10	7.0	Vapo	80	1.0	UL/CUL/TUV/CE/VDE	27	12"	6.95	6.25	5.59	4.95
1950139	Sunon	KDE1204PFS2-11	12	40 x 40 x 10	7.0	Sleeve	92	1.1	UL/CUL/TUV/CE	27	12"	4.95	4.49	3.95	3.49
189691	Sunon	KD1204PFS1-11.GN	12	40 x 40 x 10	8.0	Sleeve	60	0.7	UL/CUL/TUV/CE	30	12"	7.95	7.19	6.49	5.79
212725	Sunon	KDE1204PFV1	12	40 x 40 x 10	8.3	Vapo	110	1.4	UL/CUL/TUV/CE/VDE	34.4	12"	6.95	6.25	5.59	4.95
1708473	Sunon	KDE1204PFVX11.MS.A	12	40 x 40 x 10	9.5	Vapo	150	1.8	UL/CUL/TUV	39	12"	5.95	4.95	4.49	3.95
136178	Adda	AD0412MS-C70	12	40 x 40 x 20	5.0	Sleeve	110	1.32	UL/CSA	23	9"	3.95	3.59	3.29	2.95
195899	Sunon	KDE1204PKS2	12	40 x 40 x 20	6.5	Sleeve	70	0.9	UL/CSA/TUV	25.5	12"	4.95	4.49	3.95	3.59
2120065	Sunon	KD1204PKB2(2)GN	12	40 x 40 x 20	7.7	Dual ball	62	0.7	UL/CSA/TUV	22	12"	5.95	5.39	4.79	4.29
2151021	Sanyo Denki	109P0412H601	12	40 x 40 x 20	8.0	Ball	110	1.3	UL/CSA	33	7" w/conn	9.95	8.95	7.95	6.95
687754	Sunon	KDE1204PKSX-8	12	40 x 40 x 20	9.5	Sleeve	90	1.1	UL/CSA	28	11"	5.95	5.39	4.79	4.29
2099518	Adda	AD0412UB-C51	12	40 x 40 x 20	9.9	Ball	180	2.16	UL/CUL/TUV/CE	36.1	11"	4.95	4.49	3.95	3.49
2131864	Adda	AD0412HB-C56-LF	12	40 x 40 x 20	10	Ball	100	1.2	UL/CUL/TUV/CE	36	4.5" w/conn	5.95	5.39	4.79	3.95
2082100	Sunon	KDE1204PKBX-8	12	40 x 40 x 20	10	Ball	90	1.1	UL/TUV/CE	29.4	4"	7.95	6.95	6.25	5.59
1928118	Adda	AD0412HB-C50	12	40 x 40 x 20	10.5	Ball	100	1.2	UL/CUL/TUV/CE	31.9	12"	8.95	7.95	6.95	6.25
2135380	Adda	AD0412UB-C72GP(P)	12	40 x 40 x 20	10.6	Ball	170	2.4	UL/CUL/TUV/CE	34	12" ²	10.95	9.95	8.95	7.95
1585291	Sunon	GM1204PKVX-A	12	40 x 40 x 20	10.8	Vapo	130	1.6	UL/CUL/CSA	27.5	5"	6.95	6.25	5.59	4.95
2082089	Sanyo Denki	109P0412H302	12	40 x 40 x 28	11.3	Ball	195	2.3	UL/CSA/TUV	37	3.75"	4.95	4.49	3.95	3.59
2095162	Sunon	PMD1204PQBX-A(2)F	12	40 x 40 x 28	23.5	Ball	570	6.8	UL/CE	51.5	3" w/conn ¹	9.95	8.95	7.95	6.95
1951246	Sunon	PMD1204PQBX-A(2)	12	40 x 40 x 28	23.5	Ball	570	6.8	UL/CE	51.5	12"	12.95	11.49	9.95	8.95
1951254	Sunon	PMD1204PQBX-A(2)F	12	40 x 40 x 28	23.5	Ball	570	6.8	UL/CE	51.5	12" ¹	11.95	10.95	9.95	8.95
1950753	Comair Rotron	CR4512MB-G70	12	45 x 45 x 10	6.9	Ball	70	0.8	UL/CUL/CE/TUV	21.6	12"	5.95	5.49	4.95	3.95
2095322	Adda	AD4512HX-G70	12	45 x 45 x 10	9.1	Hypro	90	1.08	UL/CUL/TUV/CE	27.4	11"	7.95	6.95	6.25	5.59
2100371	Adda	AD0512LX-G70LF	12	51 x 51 x 10	9.0	Hypro	60	0.72	UL/CSA/TUV/CE	20	11"	4.95	4.49	3.95	3.59
1918809	Jamicon	KF0510B1M	12	51 x 51 x 10	9.27	Ball	80	0.8	UL/CUL/TUV/CE	26.6	10.5"	5.95	5.35	4.79	4.29
2095331	Adda	AD0512MS-G70	12	51 x 51 x 10	10.5	Hypro	120	1.4	UL/CUL/TUV/CE	24	11"	5.95	5.35	4.79	4.29
2095349	Adda	AD0512MB-G76	12	51 x 51 x 10	10.5	Ball	120	1.4	UL/CUL/TUV/CE	24	11" ¹	9.95	8.95	7.95	6.95
1950446	Sunon	KD1205PFB1(2)H	12	51 x 51 x 10	11.4	Ball	130	1.6	UL/TUV	34.7	12"	7.95	6.95	6.25	5.59
2100419	Adda	AD0512HB-G70-LF	12	51 x 51 x 10	11.8	Ball	90	1.08	UL/CSA/TUV/CE	27	11"	7.95	6.95	6.25	5.59
2155284	Sunon	KDE1205PFVX.11.MS.A.GN	12	51 x 51 x 10	15.2	Vapo	170	2.0	UL/CUL/TUV/CE	35	12"	7.95	6.95	6.25	5.95
125006	Nidec	A33999-1†	12	51 x 51 x 15	4.0	Ball	170	2.04	UL/CE	46	11"	6.95	6.25	4.95	4.49
139601	Adda	AD0512HS-D71	12	51 x 51 x 15	12	Sleeve	100	1.2	UL/CSA/CE	29	5"	5.95	5.39	4.79	4.29
139602	Adda	AD0512HS-D71-LF	12	51 x 51 x 15	12	Sleeve	100	1.2	UL/CSA/CE	29	6"	8.95	7.95	6.95	6.25
2099534	Adda	AD5012MX-D71	12	51 x 51 x 15	12.6	Hypro	100	1.2	UL/CUL/TUV/CE	29	5.5"	7.95	6.95	6.25	5.59
2095357	Adda	AD0612HB-G70	12	60 x 60 x 10	14.5	Ball	150	1.8	UL/CUL/TUV/CE	32	11"	8.95	7.95	6.95	6.25
1946025	Evercool	EC6010M12CA	12	60 x 60 x 10	15.5	Ball	160	1.9	UL/CE/TUV	30	9" ¹	8.95	7.95	6.95	6.25
2078178	Delta	AFB0612MB	12	60 x 60 x 15	13.4	Ball	80	0.96	UL/CUL/TUV/CE	29	12"	6.95	6.25	5.59	4.95
2131979	Adda	AD0612HB-D71GL	12	60 x 60 x 15	16.6	Ball	130	1.56	UL/CSA/TUV/CE	32.4	5"	7.95	6.95	6.25	5.59
2121308	Adda	AD0612HB-D70GL	12	60 x 60 x 15	16.6	Ball	130	1.56	UL/CSA/TUV/CE	32.4	11" w/ conn	6.95	5.95	4.95	3.95
687771	Sunon	KDE1206PHS1	12	60 x 60 x 15	21	Sleeve	150	1.8	UL/CSA/TUV/CE	36	11"	5.95	4.95	4.49	3.95
1585400	Sunon	KDE1206PHB1	12	60 x 60 x 15	21	Ball	150	1.8	UL/CSA/CE	37.5	11"	10.95	9.95	8.95	7.95
144161	Adda	AD0612LB-C70GL	12	60 x 60 x 20	12.6	Ball	80	1.0	UL/CSA/TUV	22.7	12"	9.95	8.95	7.95	6.95
1928126	Adda	AD0612HB-C70GL	12	60 x 60 x 20	16.3	Ball	160	1.92	UL/CSA/TUV/CE	31	12"	5.95	4.95	4.49	3.95
189595	Sunon	KD1206PKS2	12	60 x 60 x 20	16.5	Sleeve	150	1.8	UL/CSA/TUV/CE	31	12"	3.95	3.49	2.95	2.49
119635	Delta/Fonsan	DFD0612H	12	60 x 60 x 20	17.7	Ball	150	1.3	UL/CE/CSA/VDE	30	12"	6.95	6.25	5.59	4.95
2120073	Sunon	KD1206PKB2(2)F.GN	12	60 x 60 x 20	19	Dual ball	88	1.1	UL/CUL/TUV	29	12" ¹	6.95	6.25	5.59	4.95
114682	Delta	AFB0612VHD	12	60 x 60 x 20	30	Ball	270	2.4	UL/CE/CSA/VDE	39.5	12"	5.95	4.95	3.95	3.49
2131987	Adda	AD0612LX-A70GL-LF	12	60 x 60 x 25	13.2	Hypro	80	0.96	UL/CSA/TUV/CE	16	12"	6.95	6.25	5.59	4.95
2155292	Comair Rotron	GDA6025-12BB	12	60 x 60 x 25	18	Ball	140	1.7	UL/CUL/TUV	26.1	12"	7.95	6.95	6.25	5.95
1810101	Japan Servo	TUDC12Z4F-022	12	60 x 60 x 25	19	Ball	140	1.8	UL/CSA/TUV	32	5" w/ conn	4.95	3.95	3.49	4.29

¹ 3 leads; speed sensor ² 3 leads; locked rotor protection (All fans operate to their specs with or without the additional optional wire functions) # Includes removable mounting clip † Blower

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

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DC Brushless Tubeaxial Fans & Blowers (Continued)



★ 12V Web Code: LBZ

mm to Inches Conversion Chart

mm	6	6.8	10	15	20	25	28	30	32	35	38	40	45	51	60	70	75	76	80	92	95	94	97	120	125	126	127	150	172
Inches	0.24	0.27	0.40	0.60	0.80	1.00	1.10	1.18	1.26	1.40	1.50	1.60	1.80	2.00	2.36	2.76	2.95	2.99	3.15	3.63	3.74	3.70	3.82	4.72	4.92	4.96	5.00	5.90	6.77

Part No.	Manufacturer	Mfr. Part No.	Voltage (VDC)	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing			
												1	10	50	100
2138695	Sunon	KDE1206PTV2.13.MS.AF.GN	12	60 x 60 x 25	19.3	Vapo	70	0.8	UL/CSA/TUV	29	12"	\$9.95	\$8.95	\$7.95	\$6.95
2095197	Delta	DFB0612H	12	60 x 60 x 25	19.4	Ball	120	1.4	UL/CE/CSA/VDE	30	12"	6.95	6.25	5.59	4.95
102947	Jamicon	JF0625S1H	12	60 x 60 x 25	20.5	Sleeve	230	2.7	UL/CUL/TUV	33.6	12"	7.95	6.95	6.25	5.59
150422	Jamicon	JF0625B1H	12	60 x 60 x 25	21.4	Ball	230	2.7	UL/CSA/TUV	30.5	10"	8.95	7.95	6.95	6.25
195911	Sunon	KD1206PTS1AGN	12	60 x 60 x 25	21.7	Sleeve	190	2.3	UL/CSA/TUV	34	12"	8.95	7.95	6.95	6.25
2150766	Adda	AD0612HB-A72GL	12	60 x 60 x 25	23.2	Ball	230	2.7	UL/CUL/TUV/CE	32.3	12" 2	7.95	6.95	5.95	4.95
2125561	AVC	DE07015R12U	12	70 x 70 x 15	43	Hydraulic	700	8.4	UL/CE/TUV	46	8" w/ conn	6.95	5.95	4.95	3.95
2099446	Adda	AD7512LB (2A)†	12	76 x 76 x 30	6.9	Ball	110	1.32	UL/CUL/TUV/CE	29	15" w/conn2	6.95	5.95	4.95	3.95
132951	Shicoh	A0815-12HV	12	80 x 80 x 15	18.4	Ball/Sleeve	200	2.4	—	32	12" 1	4.95	4.49	3.95	2.95
2099462	Adda	AD0812LB-D70	12	80 x 80 x 15	20	Ball	120	1.44	UL/CSA/TUV/CE	19.6	6" w/conn	6.95	6.25	5.59	4.95
1708570	Sunon	KD1208PHB1-AH	12	80 x 80 x 15	35	Ball	240	2.9	UL/CUL/TUV/CE	39.5	12"	9.95	8.95	7.95	6.95
2132007	Adda	AD0812HS-D70-LF	12	80 x 80 x 15	38.6	Sleeve	250	3.0	UL/CSA/TUV/CE	33	12"	7.95	6.95	5.95	4.95
2095365	Adda	AD0812XX-D71	12	80 x 80 x 15	39.4	Hypro	350	4.2	UL/CSA/TUV/CE	42	11"	8.95	7.95	6.95	5.95
141921	Adda	AD0812HB-C70	12	80 x 80 x 20	27.3	Ball	240	2.9	UL/CSA/CE	34	12"	10.95	9.95	8.95	7.95
2081748	Sunon	KDE1208PKV1.13.MS.A.GN	12	80 x 80 x 20	36	Vapo	130	1.6	UL/CUL/TUV/CE	38	12"	9.95	8.95	7.95	6.95
688597	NMB	3110GL-B4W-B19-PA1	12	80 x 80 x 25	30	Ball	70	1.2	UL/CSA/TUV/CE	22	12" w/ conn1	5.95	5.35	4.79	4.29
2125544	Cool Master	A8025-25BB-3BN-PI	12	80 x 80 x 25	30.8	Dual Ball	150	1.8	UL/CSA/TUV/CE	30.6	12" w/ conn2	4.95	3.95	2.95	2.49
2151099	Sunon	KDE1208PTV3.13.MS.A.GN	12	80 x 80 x 25	31	Vapo	70	0.8	UL/CUL/TUV/CE	26	12"	9.95	8.95	7.95	6.95
123530	Adda	AD0812MS-A70GL	12	80 x 80 x 25	32	Sleeve	150	1.8	UL/CSA/TUV	28.3	12"	7.95	6.95	6.25	5.59
2125552	Cool Master	BP802512M	12	80 x 80 x 25	33	Ball	160	1.92	UL/CE/UR	29	12" w/ conn2	4.95	4.49	3.95	3.59
1955010	NMB	3110KL-O4W-B40	12	80 x 80 x 25	35.3	Ball	200	2.40	UL/CSA/TUV/CE	31	13"	6.95	6.25	5.59	4.95
2125843	Vastech	RDH8025B	12	80 x 80 x 25	35.7	Ball	170	2.0	UL/CSA/CE	33	11"	5.95	5.49	4.95	3.95
1537387	Sunon	KD1208PTB213.(2).GN	12	80 x 80 x 25	37	Ball	110	1.3	UL/CUL/TUV/CE	32	11.5" w/ conn	6.95	6.25	5.95	4.95
2131995	Adda	AD0812HS-A76GL-LF	12	80 x 80 x 25	38.6	Sleeve	250	3.0	UL/CSA/TUV	33	12" 1	4.95	3.95	2.95	2.49
2135697	Panaflo	BFM-08A12H	12	80 x 80 x 25	39.6	Sleeve	220	2.1	UL/CSA	32	12" w/ conn	6.95	6.25	5.59	4.95
2125835	Globe	B01138812H-3M	12	80 x 80 x 25	39.8	Ball	230	2.76	UL/CSA/TUV/CE	32.6	10" w/ conn1	4.95	3.95	2.95	2.49
1585477	Sunon	KD1208PTS1-13	12	80 x 80 x 25	40	Sleeve	160	1.9	UL/CUL/TUV/CE	33	12"	5.95	5.35	4.79	4.49
1950569	Sunon	KD1208PTS1 H.M	12	80 x 80 x 25	40	Sleeve	160	2.6	UL/CE	33	12" 1	4.95	3.95	3.49	2.95
1708490	Sunon	KDE1208PTB1-13.MS.(2)A	12	80 x 80 x 25	41	Dual Ball	150	1.8	UL/CUL/TUV/CE	35	12"	6.95	6.25	5.95	5.59
206181	Sunon	KDE1208PTS1-6	12	80 x 80 x 25	42	Sleeve	220	2.6	UL/CSA/TUV/CE	34	9"	7.95	6.95	6.25	5.59
355401	ValuePro	RDH80025B1	12	80 x 80 x 25	42	Ball	230	2.8	UL/CUL/TUV/CE	28.6	12"	8.95	7.95	6.95	6.25
2081271	Sunon	KDE1208PTB1-6(OCM)	12	80 x 80 x 25	42.5	Ball	220	2.6	UL/CUL/TUV/CE	36.5	12" 1	4.95	4.49	3.95	3.49
102955	Sunon	KD1208PTB1-6(OC)	12	80 x 80 x 25	42.5	Ball	220	2.6	UL/CUL/TUV/CE	36.5	3.5"	4.95	4.49	3.95	3.49
249148	Sunon	KDE1208PTB1-6(OC)	12	80 x 80 x 25	42.5	Ball	220	2.6	UL/CUL/TUV/CE	36.5	7"	5.95	4.95	3.95	3.49
2120225	Y.S. Tech	FD128025HS	12	80 x 80 x 25	43.7	Sleeve	230	2.76	UL/CSA/TUV	33.5	13"	3.95	3.59	3.29	2.95
2100401	Adda	AD0812UB-A72GL	12	80 x 80 x 25	43.8	Ball	300	3.6	UL/CUL/TUV/CE	40	11" 2	4.95	3.95	2.95	2.49
1809995	Sunon	KDE1208PTB1-6A(318)	12	80 x 80 x 25	50.6	Ball	360	4.3	UL/CUL/TUV/CE	40.5	12"	10.95	9.95	8.95	7.95
2081078	Jamicon	JF0825B1UR	12	80 x 80 x 25	52	Dual Ball	370	4.4	UL/CUL/TUV/CE	40	12"	11.95	10.95	9.95	8.95
2081692	Y.S. Tech	NFD128125BB-2F	12	80 x 80 x 25	59.2	Dual Ball	450	5.4	UL/CUL/TUV	44	20" w/ conn3	12.95	11.49	10.49	9.49
2151081	Sunon	PMD1208PTB1-A(2).GN	12	80 x 80 x 25	60	Dual Ball	400	4.8	UL/CUL/TUV/CE	47	12"	10.95	9.95	8.95	7.95
107406	EBM Papst	8312GHL	12	80 x 80 x 32	39.4	Sleeve	330	4.0	UL/CE/CSA/VDE	43	12"	8.95	7.95	6.95	5.95
1928089	Adda	AD0912LS-A70GL	12	92 x 92 x 25	32.4	Sleeve	130	1.6	UL/CUL/TUV/CE	23.5	12"	3.95	3.59	3.29	2.95
1952783	Nidec	TA350DC-M34138-34	12	92 x 92 x 25	35	Ball	160	1.92	UL/CSA	26.4	10" w/ conn3	5.95	4.95	3.95	3.49
1952257	AVC	C9025S12L	12	92 x 92 x 25	37.2	Sleeve	150	1.8	UL/CUL/TUV/CE	26.2	5.5" 1	4.95	3.95	3.49	2.95
1928097	Adda	AD0912LX-A70GL	12	92 x 92 x 25	37.9	Hypro	120	1.44	UL/CUL/TUV/CE	26.5	12"	5.95	4.95	3.95	3.49
2132015	Adda	AD0912MB-A71GL-LF	12	92 x 92 x 25	43.5	Ball	170	2.04	UL/CSA/TUV/CE	31	12"	6.95	5.95	4.95	4.49
1952880	Nidec	TA350DC-M33422-57G4	12	92 x 92 x 25	48	Ball	290	3.48	UL/CSA	35	10" w/ conn4	6.95	5.95	4.95	4.49
154641	Nidec	TA350DC-M33422-16	12	92 x 92 x 25	48	Ball	290	3.5	UL/CSA	43	12"	9.95	8.95	7.95	6.95
2115565	Sunon	KD1209PTS1.13.GN	12	92 x 92 x 25	49	Sleeve	160	1.9	UL/CUL/TUV/CE	34	11"	5.95	5.39	4.95	4.49
2138759	Sunon	KD1209PTV1.13.MS.A.GN	12	92 x 92 x 25	49	Vapo	160	1.8	UL/CUL/CE	34	12"	7.95	6.95	6.25	5.49
207061	AVC	C9025S12H	12	92 x 92 x 25	52	Sleeve	160	3.8	UL/CUL/TUV/CE	34	6" w/ conn1	7.95	6.95	5.95	4.95
1952767	NMB	3610KL-O4W-B56PS9	12	92 x 92 x 25	54.7	Ball	315	3.8	UL/CSA/TUV/CE	41	7" w/ conn5	6.95	5.95	4.95	3.95

1 3 leads; speed sensor 2 3 leads; locked rotor protection 3 4 leads; wired for Dell proprietary PWM circuit control w/ tach (blue), lock rotor (yellow) & fan guard 4 Temperature sensor

5 5 leads; locked rotor with 2 separate ground if needed (All fans operate to their specs with or without the additional optional wire functions) † Blower

Continued on next page

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2081641

2082097

1537467

1951051

Part No.	Manufacturer	Mfr. Part No.	Voltage (VDC)	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing			
												1	10	50	100
1952951	NMB	3610KL-04W-B56PS6	12	92 x 92 x 25	55	Ball	315	3.8	UL/CSA/TUV/CE	41	9" w/ conn ²	\$7.95	\$6.95	\$5.95	\$4.95
102963	Nidec	TA350DC-M33503-55	12	92 x 92 x 25	56	Ball	400	4.8	UL/CSA	45	8"	7.95	6.95	5.95	4.95
2138994	Adda	AD0912UB-A71GL	12	92 x 92 x 25	60	Ball	390	4.68	UL/TUV/CE	39.4	50"	8.95	7.95	6.95	5.95
2081641	Delta	BFB1012H†	12	97 x 94 x 33	25.4	Dual Ball	800	9.6	UL/CSA/VDE/CE	52	11" ¹	10.95	9.95	8.95	7.95
174140	Common Wealth	FP108MS3	12	120 x 120 x 25	54	Sleeve	140	1.7	UL/CSA/TUV/CE	25	12"	9.95	8.95	7.95	6.95
689231	Sunon	KDE1212PTS3-6A	12	120 x 120 x 25	67	Sleeve	200	2.4	UL/CUL/TUV/CE	35	12"	7.95	6.95	6.25	5.59
227901	Common Wealth	FP-108M-S1-B	12	120 x 120 x 25	80	Ball	330	4.0	UL/CSA/VDE/CE	42	12"	13.95	12.49	10.95	9.95
363848	Mechatronics	E1225H12B	12	120 x 120 x 25	82	Ball	385	4.62	UL/CUL/TUV	40	3.5"	7.95	6.95	6.25	5.59
1952231	Turbofan	TA1225E12BS	12	120 x 120 x 25	93	Ball	580	7.0	UL/CSA/TUV	44	13"	9.95	8.95	7.95	6.95
1928011	Adda	AD1212US-A71GL	12	120 x 120 x 25	98.6	Sleeve	500	6.0	UL/CUL/TUV/CE	39.1	2" w/ conn	6.95	5.95	4.95	3.95
2081705	ValuePro	1225H12B-PF1	12	120 x 120 x 25	119	Ball	800	9.6	UL/CUL/TUV/CE	47.5	21" w/ conn ¹	11.95	10.95	9.95	8.95
2082097	Delta	BFB1212VH†	12	120 x 120 x 32	40	Ball	1250	15	UL/CSA/VDE/CE	57	13"	11.95	10.95	9.95	8.95
2082151	Comair Rotron	MC12B3QDN	12	120 x 120 x 32	102	Ball	660	7.9	UL/CSA/CE	47.8	12" ²	8.95	7.95	6.95	5.95
868109	Comair Rotron	MC12B7	12	120 x 120 x 32	102	Ball	660	7.9	UL/CUL/TUV/CE	47.9	12"	8.95	7.95	6.95	5.95
2155057	Sanyo Denki	109R1212M102	12	120 x 120 x 38	81	Ball	240	4.6	UL/CSA/TUV	36	12"	8.95	7.95	6.95	5.95
1585389	ValuePro	CNDC12B4C-016	12	120 x 120 x 38	99	Ball	380	4.6	UL/CSA/TUV	40	12"	6.95	5.95	5.39	4.95
94626	Sunon	KD1212PMB1-6A.GN	12	120 x 120 x 38	108	Ball	570	6.8	UL/CUL/TUV/CE	42	12"	10.95	9.95	8.95	7.95
1954703	Mechatronics	F1238H12B2-FS	12	120 x 120 x 38	112	Ball	440	5.3	UL/TUV	41	10" w/ conn ²	7.95	6.95	6.25	5.59
1952791	NMB	4715KL-04W-B46	12	120 x 120 x 38	118	Ball	900	8.4	UL/CSA/TUV/CE	47	6" w/ conn ²	7.95	6.95	6.25	5.59
1955028	NMB	4715KL-04W-B49	12	120 x 120 x 38	118	Ball	700	8.4	UL/CSA/TUV/CE	46	12" w/ conn ¹	8.95	7.95	6.95	5.95
2125860	Comair Rotron	MS12K3	12	120 x 120 x 38	127	Ball	920	11	UL/TUV/CE	53.4	12"	9.95	8.95	7.95	6.95
2120313	Comair Rotron	GDA1238-12BB	12	120 x 120 x 38	128	Ball	600	7.2	UL/TUV/CE	43.5	8" ¹	10.95	9.95	8.95	7.95
2099972	Delta	AFB1212SHE-4F1A	12	120 x 120 x 38	152	Ball	750	9.0	UL/CSA/VDE/CE	55.5	48" w/ conn ⁶	7.95	6.95	5.95	4.95
1537467	Comair Rotron	JQ12B7X	12	172 x 150 x 51	235	Ball	2260	25.2	UL/CSA/TUV/CE	54.3	12" ²	14.95	13.49	11.95	10.95
1928281	Adda	AD0424HB-G70	24	40 x 40 x 10	6.7	Ball	90	2.16	UL/CUL/TUV/CE	25	7" w/ conn	10.95	9.95	8.95	7.95
100910	Sunon	KDE2404PKV2	24	40 x 40 x 20	7.7	Vapo	33	0.8	UL/CUL/TUV	21	12"	9.95	8.95	7.95	6.95
2100398	Adda	AD0424MB-C50LF	24	40 x 40 x 20	8.5	Ball	70	1.68	UL/CUL/TUV/CE	28.5	12"	8.95	7.95	6.95	5.95
1951502	Adda	AD0424HB-C56	24	40 x 40 x 20	10.1	Ball	90	2.16	UL/CUL/TUV/CE	31.9	12" ¹	8.95	7.95	6.95	6.25
1708422	Sunon	KDE2406PHS3	24	60 x 60 x 15	15	Sleeve	50	1.2	UL/CUL/TUV/CE	31	12"	7.95	6.95	6.25	5.59
687818	Sunon	KDE2406PHB2	24	60 x 60 x 15	18	Ball	56	1.3	UL/CUL/TUV/CE	31	11"	10.95	9.95	8.95	7.95
212652	Delta/Fonsan	DFD0624H	24	60 x 60 x 20	17.7	Ball	100	2.4	UL/CE/CSA/TUV	30	12"	5.95	4.95	4.49	3.95
140661	NMB	2408NL-05W-B60	24	60 x 60 x 20	18.4	Ball	100	2.4	UL/CSA/TUV/CE	31	2" w/ conn	4.95	4.49	3.95	3.59
1951191	Sunon	KDE2406PKV2MS.AGN	24	60 x 60 x 20	18.5	Vapo	90	1.1	UL/CE	27.5	11"	5.95	5.39	4.79	4.25
1954922	NMB	2410ML-05W-B10	24	60 x 60 x 25	14	Ball	60	1.44	UL/CSA/TUV/CE	23	13"	6.95	6.25	5.59	4.95
189861	Jamicon	JF0625B2M	24	60 x 60 x 25	18	Ball	130	3.1	UL/CSA/TUV/CE	28.5	10"	8.95	7.95	6.95	6.25
1952177	Japan Servo	TUDC2424P-029	24	60 x 60 x 25	19	Ball	80	1.8	UL/CSA/TUV	32	12" ²	6.95	6.25	5.59	5.29
212628	Adda	AD0624HS-A70GL	24	60 x 60 x 25	23.2	Sleeve	150	3.6	UL/CSA/TUV/CE	32.3	17" w/ conn	4.95	4.49	3.95	3.49
1928337	Adda	AD624HX-A70GL	24	60 x 60 x 25	23.2	Hypro	150	3.6	UL/CSA/TUV/CE	32.3	12"	6.95	6.25	5.59	4.95
2081799	Nidec	TA225DC-M33516-16	24	60 x 60 x 25	25	Ball	180	4.3	UL/CSA	37	12"	6.95	5.95	4.95	4.49
1928071	Adda	AD0624HB-A70GL	24	60 x 60 x 25	25	Ball	150	3.6	UL/CSA/TUV/CE	33.9	12"	8.95	7.95	6.95	6.25
1809848	Sunon	PMD2406PTB1-A	24	60 x 60 x 25	35.8	Ball	220	5.3	UL/CUL/TUV/CE	48.8	12"	9.95	8.95	7.95	6.95
2132066	Adda	AD7524LB-LF†	24	75 x 75 x 30	6.9	Ball	80	1.92	UL/CUL/TUV/CE	29	12"	7.95	6.95	5.95	4.95
1928345	Adda	AD0824HX-D71L	24	80 x 80 x 15	29	Hypro	130	3.12	UL/CUL/TUV/CE	33.5	12"	6.95	6.25	5.59	4.95
2138687	Cooltron	FD8025B24W3-68-2NU	24	80 x 80 x 25	18.8	Dual Ball	40	1.0	UL/CUL/TUV	15.1	6" w/ conn	8.95	7.95	6.95	5.95
290029	Jamicon	JF0825B2M	24	80 x 80 x 25	31.7	Ball	130	3.1	UL/CUL/TUV/CE	29.3	10"	9.95	8.95	7.95	6.95
136161	Jamicon	JF0825B2H	24	80 x 80 x 25	39.2	Ball	150	3.6	UL/CSA/TUV	31	12"	9.95	8.95	7.95	6.95
1809952	Sunon	KD2408PTB1-13(2)AGN	24	80 x 80 x 25	42.5	Ball	110	2.6	UL/CUL/TUV/CE	36.5	12"	9.95	8.95	7.95	6.95
2155073	Mechatronics	F8205E24B-FS	24	80 x 80 x 25	46	Ball	140	3.6	UL/CSA/TUV	32	12"	8.95	7.95	6.95	5.95
1928388	Adda	AD0824UB-A72GL	24	80 x 80 x 25	50	Ball	260	6.24	UL/CUL/CE	41	12" ²	8.95	7.95	6.95	6.25
2126256	Jamicon	JF0825B2UR	24	80 x 80 x 25	52	Dual Ball	210	5.0	UL/CUL/TUV/CE	40	12"	8.95	7.95	6.95	6.25
2126264	Jamicon	JF0825B2TR	24	80 x 80 x 25	58	Dual Ball	270	6.48	UL/CUL/TUV/CE	42	12"	11.95	10.95	9.95	8.95
1580422	EBM Pabst	8314/12H	24	80 x 80 x 32	47	Ball	270	6.4	UL/CUL/CSA/VDE	48	11" w/ conn ¹	7.95	6.95	5.95	4.95
2121341	Adda	AD0824UB-Y53LF	24	80 x 80 x 32	55.3	Ball	180	4.32	UL/CSA/CE	43.8	12" ¹	7.95	6.95	5.95	4.95
206965	Sunon	PMD2408PMB2-A	24	80 x 80 x 38	74.5	Ball	300	7.2	UL/CUL/CSA/VDE	52	12"	14.95	13.49	11.95	10.95
1951051	Mechatronics	E9225L24B1-FS	24	92 x 92 x 25	35	Ball	85	2.04	UL/CUL	27	12" ¹	5.95	4.95	3.95	3.49
1708502	Sunon	KDE2409PTS3-6	24	92 x 92 x 25	39	Sleeve	112	2.7	UL/CUL/TUV/CE	27	12"	5.95	4.95	3.95	3.49

¹ 3 leads; speed sensor ² 3 leads; locked rotor protection ⁶ 4 leads; all black tach/speed w/ connector (All fans operate to their specs with or without the additional optional wire functions) † Blower

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

DC Brushless Tubeaxial Fans, Blowers, Power Cords, Guards & Filters



153411



212661

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DC Brushless Tubeaxial Fans & Blowers (Continued)

*24V Web Code: QEF



*48V Web Code: MAJ



1952960



1952775

mm to Inches Conversion Chart

mm	6	6.8	10	15	20	25	28	30	32	35	38	40	45	51	60	70	75	76	80	92	95	94	97	120	125	126	127	150	172
Inches	0.24	0.27	0.40	0.60	0.80	1.00	1.10	1.18	1.26	1.40	1.50	1.60	1.80	2.00	2.36	2.76	2.95	2.99	3.15	3.63	3.74	3.70	3.82	4.72	4.92	4.96	5.00	5.90	6.77

Part No.	Manufacturer	Mfr. Part No.	Voltage (VDC)	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing			
												1	10	50	100
695042	Sunon	KD2409PTB1-13AGN	24	92 x 92 x 25	49	Ball	75	1.8	UL/CE/TUV	35	12"	\$12.95	\$11.95	\$10.95	\$9.95
2155065	Delta	AFB0924H-R00	24	92 x 92 x 25	51.2	Ball	100	2.4	UL/CSA/CE	34	12" 2	10.95	9.95	8.95	7.95
2158303	Sunon	EE92252B1-0000-A99	24	92 x 92 x 25	51.5	Dual Ball	87	2.1	UL/CE/TUV	34	12"	11.95	10.95	9.95	8.95
1928302	Adda	AD0924US-A71GL	24	92 x 92 x 25	57.8	Sleeve	210	5.04	UL/CUL/TUV/CE	38.6	12"	7.95	6.95	5.95	4.95
104890	EBM Pabst	3314/12	24	92 x 92 x 32	47.1	Ball	140	3.4	UL/CE/TUV	37	12" 1	10.95	9.95	8.95	7.95
1951465	Delta	FFB0924VHE	24	92 x 92 x 38	85	Ball	280	6.7	UL/CSA/VDE/CE	47	12"	11.95	10.49	8.95	7.95
2115557	Sunon	KD2412PTB3-6A.GN	24	120 x 120 x 25	69	Ball	120	2.9	UL/CUL/TUV/CE	35.5	12"	8.95	7.95	6.95	5.95
1951115	Nidec	TA450DC-A34350-16	24	120 x 120 x 25	92	Ball	180	4.32	UL/CSA	40.4	10"	10.95	9.95	8.95	7.95
153411	Sunon	KD2412PMB2-6A	24	120 x 120 x 38	98	Ball	230	5.5	UL/CSA/TUV	36.5	12"	19.95	18.95	17.49	15.95
694444	Jamicon	JF1238S2MR-R	24	120 x 120 x 38	101.3	Sleeve	220	5.28	UL/CSA/TUV/CE	39.1	9"	9.95	8.95	7.95	6.95
694524	Jamicon	JF1238B2MR-R	24	120 x 120 x 38	101.3	Ball	220	5.28	UL/CSA/TUV/CE	39.1	9"	13.95	12.49	10.95	9.95
1809910	Sunon	KD2412PMSX-6A	24	120 x 120 x 38	119	Sleeve	300	7.2	UL/CUL/TUV/CE	45	12"	8.95	7.95	6.95	5.95
2138986	Delta	FFB1224HE-F00	24	120 x 120 x 38	190	Ball	1000	24	UL/CSA/VDE/CE	59	12" w/ conn.	17.95	15.95	14.49	12.95
297959	Delta	BFB1224HE	24	125 x 126 x 34	27.2	Ball	340	8.1	UL/CE/CSA/TUV	50.5	12"	10.95	9.49	7.95	6.95
212644	Delta	AFB0948L	48	92 x 92 x 25	37	Ball	50	2.44	UL/CSA/TUV/CE	25	12"	9.95	8.95	7.95	6.95
2135371	Adda	AD0948MB-F91DS(M)	48	92 x 92 x 38	93.5	Dual ball	130	6.24	UL/CE	48.5	12"	14.95	13.95	12.95	11.49
1952960	Comair Rotron	MC48B6QDNX	48	120 x 120 x 32	102	Ball	180	8.4	UL/CSA/TUV/CE	48	11" w/ conn. 1	9.95	8.95	7.95	6.95
1952775	Orion	OD1232-48HB	48	120 x 120 x 32	120	Ball	180	8.6	UL/TUV/CE	51	12" 3	9.95	8.95	7.95	6.95
2132023	Adda	AD1248HB-F51-LF	48	120 x 120 x 38	105	Ball	200	9.6	UL/CUL/TUV/CE	42.8	12"	14.95	13.49	11.95	10.95
689063	EBM Pabst	W2G115-AG75-85	48	127 x 127 x 38	155	Ball	310	15	UL/CUL	52	10" 1	11.95	10.95	9.95	8.95
1954711	Delta	EFB1348HHE-SV06	48	127 x 127 x 38	185	Ball	360	17.28	UL/CSA/VDE/CE	55.5	26" 1	11.95	10.95	9.95	8.95

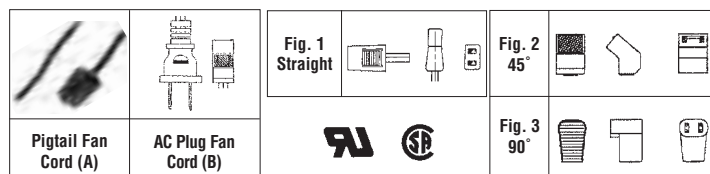
1 3 leads; speed sensor 2 3 leads; locked rotor protection 3 4 Leads wired for Dell proprietary PWM circuit control w/ tach (blue), lock rotor (yellow) & fan guard

(All fans operate to their specs with or without the additional optional wire functions) ↑ Blower

DC & AC Plug Fan Power Cords

* Web Code: GAE

For Fans with Terminal Connection



Part No.	Description	Fig.	Length	1	10	100	250
28564	Straight pigtail fan cord	1A	24"	\$1.49	\$1.25	\$.99	\$.89
2076658	Straight pigtail fan cord	1A	36"	1.25	.99	.79	.69
1952548	45° pigtail fan cord	2A	24"	1.19	1.09	.99	.89
104192	90° pigtail fan cord	3A	24"	1.25	1.19	1.09	.99
1952572	Straight AC plug fan cord	1B	72"	2.75	2.49	2.25	1.95
2117245	45° AC plug fan cord	2B	24"	7.95	6.95	6.49	5.95
1952581	45° AC plug fan cord	2B	72"	2.75	2.55	2.25	1.95

* Green cord, thermostatic controlled

Fan Guards & Aluminum Washable Filters

* Web Code: UAR

• Guards and filters fit all fans. Please match by size dimension.

Example: P/N 300557 fan (80mm) matches P/N 31924 metal guard (80mm).

Part No.	mm	Description	Fig.	1	10	50	100
123502	40	Metal (chrome) guard	1	\$.59	\$.55	\$.49	\$.45
120038	60	Metal (chrome) guard	1	.65	.59	.55	.49
687666	60	Metal (black anodized) guard	2	.85	.79	.75	.69
31924	80	Metal (chrome) guard	1	.69	.65	.59	.55
1928433	80	Metal (black anodized) guard	2	.79	.69	.65	.59
123511	92	Metal (chrome) guard	1	.75	.69	.65	.59
2135689	92	Metal (black anodized) guard	2	.79	.75	.69	.65
25735	120	Metal (chrome) guard	1	.79	.75	.69	.65
695068	120	Metal (black anodized) guard	2	1.09	.99	.89	.79
695076	127	Metal (chrome) guard	1	.49	.45	.39	.35
1952652	60	Plastic guard only	3	.59	.55	.49	.45
1952290	80	Plastic guard only	3	.55	.49	.45	.39
1952661	92	Plastic guard only	3	.59	.55	.49	.45

Part No.	mm	Description	Fig.	1	10	50	100
1952679	120	Plastic guard only	3	\$.89	\$.79	\$.69	\$.65
1952687	150	Plastic guard only	3	.79	.69	.59	.55
1952695	40	Plastic guard w/ mesh	4	1.19	1.09	.99	.89
1952708	60	Plastic guard w/ mesh	5	1.65	1.49	1.39	1.29
2158135	80	Plastic guard w/ mesh	4	1.49	1.35	1.19	1.09
138562	80	Plastic guard w/ mesh (clip)	5	1.79	1.69	1.59	1.45
229665	92	Plastic guard w/ mesh	4	1.75	1.65	1.39	1.25
196817	120	Plastic guard w/ mesh	4	2.19	2.09	1.95	1.79
1952716	172	Plastic guard w/ mesh	4	1.95	1.59	1.35	1.19
1952724	60	Alum. washable filter	6	2.09	1.95	1.75	1.59
138580	80	Alum. washable filter	6	1.95	1.85	1.69	1.45
1952732	92	Alum. washable filter	6	2.09	1.95	1.75	1.59
130105	120	Alum. washable filter	6	2.95	2.75	2.49	2.25

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

Fig. 6

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

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212600



206309

115 & 220VAC Tubeaxial Fans



*Web Code: ABJ



275793



209365

mm to Inches Conversion Chart

mm	6	6.8	10	15	20	25	28	30	32	35	38	40	45	51	60	70	75	76	80	92	95	94	97	120	125	126	127	150	172
Inches	0.24	0.27	0.40	0.60	0.80	1.00	1.10	1.18	1.26	1.40	1.50	1.60	1.80	2.00	2.36	2.76	2.95	2.99	3.15	3.63	3.74	3.70	3.82	4.72	4.92	4.96	5.00	5.90	6.77

Part No.	Manufacturer	Mfr. Part No.	Voltage (VAC)	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection	Pricing			
												1	10	50	100
213867	Fulltech	UF60D11BWH	115	60 x 60 x 30	10.2	Ball	35	4	UL/CUL/VDE/CE	28	12" leads	\$17.95	\$16.49	\$15.95	\$14.49
2100267	Pelonis	PM8025HA1S	115	80 x 80 x 25	18.8	Sleeve	110	13.2	UL/CUL/CE	26.7	Terminals	12.95	11.49	9.95	8.95
146078	Common Wealth	FP108AX-S1-B (115)	115	80 x 80 x 25	23	Ball	180	14	UL/CE	29	12" leads	15.95	14.49	12.95	11.95
300557	Fulltech	UF80B11SWH	115	80 x 80 x 25	24	Sleeve	140	14	UL/CUL/TUV/CE	35	12" leads	13.95	12.95	11.95	10.95
300258	Fulltech	UF80B11BTH	115	80 x 80 x 25	24	Ball	140	14	UL/CUL/TUV/CE	35	Terminals	13.95	12.95	11.95	10.95
300582	Fulltech	UF80A11SWL	115	80 x 80 x 38	25	Sleeve	110	12	UL/CUL/TUV/CE	32	12" leads	9.95	8.95	7.95	7.25
300303	Fulltech	UF80A11BWL	115	80 x 80 x 38	25	Ball	110	11	UL/CUL/TUV/CE	32	12" leads	13.95	12.95	11.49	10.95
300600	Fulltech	UF80A11BWH	115	80 x 80 x 38	29	Ball	120	12	UL/CUL/TUV/CE	36	12" leads	15.95	14.49	12.95	11.49
2131848	Adda	AA8381HB-AT-LF	115	80 x 80 x 38	29.6	Ball	100	8.9	UL/CSA/TUV/CE	31	Terminals	11.95	10.49	9.95	8.95
2131856	Adda	AA8381HS-AW-LF	115	80 x 80 x 38	30	Sleeve	100	8.9	UL/CSA/TUV/CE	31	12" leads	10.95	9.95	8.95	7.95
300389	Fulltech	UF80A11BTH	115	80 x 80 x 38	30	Ball	120	12	UL/CUL/TUV/CE	36	Terminals	15.95	14.49	12.95	11.49
303467	Sunon	SF11592A-1092HBL.GN	115	92 x 92 x 25	37	Ball	110	12	UL/CSA/TUV/CE	40	12" leads	12.95	11.49	10.95	9.95
75460	Sunon	SF11592A-1092HBT-R	115	92 x 92 x 25	37	Ball	110	12	UL/CSA/TUV/CE	40	Terminals	14.95	13.95	12.95	11.95
2131830	Adda	AA1251MB-AT-LF	115	120 x 120 x 25	69.4	Ball	190	19.6	UL/CSA/TUV/CE	38.7	Terminals	9.95	8.95	7.95	6.95
1819376	NMB	4710PS12TB30A00	115	120 x 120 x 25	70.6	Ball	190	11	UL/CSA/VDE/CE	38	Terminals	10.95	9.95	8.95	7.95
1810048	Sunon	SP101AT-1122HBL.GN	115	120 x 120 x 25	78	Ball	180	18	UL/CUL/TUV/CE	46	12" leads	16.95	14.95	13.49	11.95
124063	Sunon	SP101AT-1122HBT	115	120 x 120 x 25	78	Ball	180	18	CSA/TUV/CE	46	Terminals	16.95	14.95	13.49	11.95
303361	Fulltech	UF12A11BTL1	115	120 x 120 x 38	64	Ball	80	15	UL/CUL/TUV/CE	37	Terminals	14.95	13.49	11.95	10.95
2126070	Adda	AA1281LS-AT-LF	115	120 x 120 x 38	75.6	Sleeve	140	9.2	UL/CUL/TUV/CE	40	Terminals	9.95	8.95	7.95	6.95
1585371	Sunon	SP103A-1123LBL	115	120 x 120 x 38	78	Ball	130	11	UL/CSA/TUV	39	6" w/ conn.	11.95	10.95	9.95	8.95
300792	Fulltech	UF12A11STL	115	120 x 120 x 38	81	Sleeve	150	15	UL/CUL/TUV/CE	38	Terminals	12.95	11.49	10.49	9.49
303483	Fulltech	UF12A11SWL	115	120 x 120 x 38	82	Sleeve	150	12	UL/CUL/TUV/CE	38	12" leads	12.95	11.49	10.49	9.49
2100427	Adda	AA1281HS-AT-LF	115	120 x 120 x 38	83	Sleeve	250	16.3	UL/CSA/TUV/CE	42.2	Terminals	4.95	3.95	3.49	2.95
106586	Common Wealth	FP108-1-S1/T	115	120 x 120 x 38	105	Sleeve	180	12	UL/CSA/CE	47	Terminals	13.95	12.49	10.95	9.95
2155049	U.S. Toyo	TAC12038115HT	115	120 x 120 x 38	105	Ball	180	17	UL/CSA/CE	47	Terminals	11.95	10.95	9.95	8.95
16935	Common Wealth	FP108-1-S1-B/T	115	120 x 120 x 38	105	Ball	200	17	UL/CSA/TUV/CE	47	Terminals	15.95	14.49	12.95	11.49
212600	Fulltech	UF12A11BWH	115	120 x 120 x 38	106	Ball	190	15	UL/CUL/TUV/CE	46	12" leads	15.95	14.49	12.95	11.49
1707163	Sunon	SP101A-1123HBL-GN	115	120 x 120 x 38	107	Ball	180	18	UL/CSA/TUV	50	12" leads	15.95	14.49	12.95	11.49
206309	Adda	AA1281UB-AT	115	120 x 120 x 38	107	Ball	230	24	UL/CUL/CE	48	Terminals	14.95	13.49	10.95	9.95
275793	Sunon	SP101A-1123HBT	115	120 x 120 x 38	107	Ball	180	18	UL/CUL/CE	50	Terminals	16.95	14.95	13.49	11.95
2125931	Common Wealth	FP108-1	115	120 x 120 x 38	112	Ball	250	19	UL/CUL/TUV/CE	45	Terminals	11.95	10.95	9.95	8.95
303408	Sunon	SP100A-1123XBL	115	120 x 120 x 38	117	Ball	240	20	UL/CSA/TUV/CE	47	12" leads	17.95	15.95	14.49	12.95
102884	Sunon	SP100A-1123XBT	115	120 x 120 x 38	117	Ball	240	20	UL/CUL/TUV/CE	50	Terminals	17.95	15.95	14.49	12.95
2129588	Common Wealth	FP108-1	115	120 x 120 x 38	120	Ball	250	19	UL/CSA/CE	45	Terminals	17.95	15.95	14.49	12.95
2099454	Adda	AA1751MB-AW	115	172 x 150 x 51	186	Ball	350	29.8	UL/CUL/TUV/CE	50.5	12" leads	24.95	22.95	19.95	17.49
189684	Fulltech	UF15PC11BTH	115	172 x 150 x 51	226	Ball	250	30	CSA	58	Terminals	36.95	34.95	32.95	29.95
212582	Fulltech	UF15PC11BWH	115	172 x 150 x 51	226	Ball	250	30	UL/CUL/TUV/CE	58	12" leads	36.95	34.95	32.95	29.95
1950956	Arctic	KEST-481BW	115	172 x 150 x 51	260	Ball	620	46	UL/CE/TUV	61	12" leads	34.95	32.95	29.95	26.95
1810128	Common Wealth	FP-108AX-S1-B (220)	220	80 x 80 x 25	21	Ball	120	13	UL/CSA/TUV/CE	29	13" leads	12.95	11.49	10.95	9.95
2099471	Adda	AA8382MX-AT	220	80 x 80 x 38	24	Hypno	50	6.8	UL/CUL/TUV/CE	25.3	Terminals	7.95	6.95	5.95	4.95
100918	Sunon	SF23080A/2083HSL	220	80 x 80 x 38	30	Sleeve	60	13.5	UL/CSA/TUV/CE	35	12" leads	17.95	15.95	14.49	12.95
355630	Fulltech	UF-80A23-BTH-R	220	80 x 80 x 38	30	Ball	60	12	UL/CSA/VDE/CE	36	Terminals	16.95	14.95	13.49	11.95
209365	Bi-Sonic	4C-230LB	220	120 x 120 x 38	63	Ball	60	9	TUV/CE	34	10" leads	8.95	7.95	7.49	6.95
1918753	Jamicon	KA1238H2B01	220	120 x 120 x 38	89	Dual Ball	200	23	UL/CUL/TUV/CE	42	Terminals	10.95	9.95	8.95	7.95
1918761	Jamicon	KA1238H2B12	220	120 x 120 x 38	110	Ball	200	24	UL/CUL/TUV/CE	45	Terminals	10.95	9.49	8.95	7.95
303459	Sunon	DP200A-2123XBL	220	120 x 120 x 38	117	Ball	120	21	UL/CSA/TUV/CE	50	12" leads	15.95	14.95	13.95	12.95
102892	Sunon	DP200A-2123XBT	220	120 x 120 x 38	117	Ball	120	21	UL/CSA/TUV/CE	50	Terminals	17.95	15.95	14.49	12.95
2151072	Sunon	SF1212ADBL.GN*	115/220	120 x 120 x 38	95/115	Ball	270	21.5	UL/CUL/CE	47	12" leads	12.95	11.95	10.95	9.95
2145043	Adda	AX17512HB-C(AT)	220	172 x 150 x 51	240	Ball	160	34.5	UL/TUV/CE	56	Terminals	36.95	32.95	29.95	26.95

*4 wire leads, dual voltage

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

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Part No.	Manufacturer	Product No.	Output Rating		Output Connector ID x OD mm Female/Male	Size (H" x W" x D")	Case Color	Output Cord Length	Wt. (lbs.)	Agency Approvals	Pricing			
			Voltage (VAC)	Current (mA)							1	10	50	250
2082521	ReliaPro	5-2634	5	400	1.7mm x 5.5mm right angle F	2.0 x 1.4 x 1.3	White	6'	0.4	UL/CSA	\$3.59	\$3.25	\$2.95	\$2.49
2082530	ReliaPro	5-2633	5	400	1.7mm x 5.5mm right angle F	2.0 x 1.4 x 1.3	Black	6'	0.4	UL/CSA	3.59	3.25	2.95	2.49
249017	ReliaPro	ACU070150	7	1500	2.5mm x 5.5mm F	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CUL	7.95	6.95	5.95	4.95
100061	ReliaPro	ACU090050	9	500	2.1mm x 5.5mm F	2.7 x 1.9 x 1.7	Black	6'	0.6	UL/CUL	8.95	7.95	6.95	5.95
1950921	ReliaPro	AM-9700ALF	9	700	Screw terminals	2.8 x 2.0 x 1.7	White	—	0.6	UL	3.95	3.49	2.95	1.95
236814	ReliaPro	ACU090080	9	800	3.5mm M	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CUL	8.95	7.95	6.95	5.95
1581281	ReliaPro	AA-091A	9	1000	2.1mm x 5.5mm F	2.2 x 2.1 x 1.6	Black	6'	0.6	UL/CSA	6.95	6.25	5.59	4.95
102234	ReliaPro	ACU090100Z8182	9	1000	2.1mm x 5.5mm F	3.2 x 2.2 x 1.9	Black	6'	0.6	UL/CUL	9.95	8.95	7.95	6.95
1586154	OEM	AA091A	9	1000	2.5mm x 5.5mm F	2.2 x 2.1 x 1.6	Black	6'	0.6	UL/CSA	7.95	6.95	6.25	5.59
157041	ReliaPro	ACU090100E8942	9	1000	2.5mm x 5.5mm F	2.1 x 2.1 x 1.6	Black	6'	0.6	UL/CUL	9.95	8.95	7.95	6.95
112336	ReliaPro	ACU090150	9	1500	2.5mm x 5.5mm F	2.6 x 2.2 x 2.0	Black	6'	0.9	UL/CUL	10.95	9.95	8.95	7.95
688634	ReliaPro	PP-1012-A	10	1200	2.5mm x 5.5mm F	3.5 x 2.5 x 1.9	Black	6'	1.3	UL	4.95	3.95	3.49	2.95
2076543	Radio Shack	15-1963	12	400	2.1mm x 5.5mm F	2.6 x 1.7 x 1.6	Black	6'	0.6	UL/CSA	5.95	4.95	4.49	3.95
101258	ReliaPro	ACU120050	12	500	2.1mm x 5.5mm F	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	7.95	6.95	5.95	5.49
2076666	ReliaPro	48A-12-500Q	12	500	2.5mm x 5.5mm right angle F	3.3 x 2.6 x 2.0	Black	6'	1.0	—	4.95	4.49	3.95	3.59
10081	ReliaPro	ACU120100J0920	12	1000	2.1mm x 5.5mm F	2.6 x 2.4 x 2.0	Black	6'	0.7	UL/CUL	9.95	8.95	7.95	7.29
100167	ReliaPro	A411201000U	12	1000	2.5mm x 5.5mm F	3.2 x 2.4 x 2.0	Black	6'	0.7	UL/CUL	9.95	8.95	7.95	7.29
10428	ReliaPro	ACU120100Z9121	12	1000	3.5mm M	2.6 x 2.4 x 2.0	Black	6'	0.6	UL/CUL	9.95	8.95	7.95	7.29
167151	ReliaPro	ADU120150	12	1500	2.1mm x 5.5mm F	3.4 x 2.7 x 2.2	Black	6'	1.5	UL/CUL	11.95	10.95	9.95	8.95
307838	ReliaPro	ADU120160H4120	12	1600	2.5mm x 5.5mm F	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	12.95	11.95	10.95	9.95
206404	MGElectronics	MGT1220	12	1670	Screw terminals with green LED	3.2 x 2.2 x 1.9	White	—	0.9	UL	9.95	8.95	7.95	7.29
2138978	ReliaPro	JOD-48U-12A	13.5	1000	1.3mm x 3.5mm F	2.8 x 2.2 x 1.9	Black	6'	0.6	UL/CUL	9.95	8.95	7.95	6.95
2082564	ReliaPro	GPU1355000	13.5	5000	2.1mm x 5.5mm F (Table-Top style)	4.7 x 3.2 x 2.5	Black	6'	2.4	—	16.95	15.49	12.95	11.49
171408	ReliaPro	ACU140050	14	500	2.1mm x 5.5mm F	2.8 x 2.0 x 1.6	Black	6'	0.6	UL/CUL	10.95	9.95	8.95	7.95
318684	Horizon	ACU140085	14	850	2.5mm x 5.5mm right angle F	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	11.95	10.95	9.95	8.95
100108	ReliaPro	ADU160100	16	1000	2.1mm x 5.5mm F	2.5 x 2.2 x 1.9	Black	6'	0.9	UL/CUL	11.95	10.95	9.95	8.95
163053	ReliaPro	ADU160110	16	1100	2.5mm x 5.5mm F	3.2 x 2.3 x 1.8	Black	6'	1.1	UL/CUL	11.95	10.95	9.95	8.95
176604	ReliaPro	BHU160400	16	4000	2.1mm x 5.5mm F (Table-Top style)	4.4 x 3.1 x 2.5	Black	6'/6"	2.8	—	17.95	15.95	13.95	11.95
2082142	Ault	308-2018	18	900	Screw terminals	1.9 x 2.2 x 2.0	Beige	—	0.7	UL	5.95	4.95	3.49	2.95
121216	ReliaPro	ADU180100	18	1000	2.1mm x 5.5mm F	3.1 x 2.7 x 1.9	Black	6'	1.1	UL/CUL	11.95	10.95	9.95	8.95
185439	ReliaPro	AFU180185	18	1850	2.1mm x 5.5mm right angle F	3.3 x 2.7 x 2.2	Black	6'	1.7	—	9.95	8.95	7.95	6.95
2076631	Ault	T57-182200	18	2200	2.1mm x 5.5mm F	3.2 x 2.6 x 2.2	Black	5'6"	1.2	UL/CSA	8.95	7.95	6.95	5.95
87581	ReliaPro	ADU240050	24	500	2.1mm x 5.5mm F	2.5 x 2.2 x 1.9	Black	6'	0.9	UL/CUL	9.95	8.95	7.95	6.95
206439	MGElectronics	MGT2420	24	830	Screw terminals with green LED	3.2 x 2.2 x 1.9	White	—	0.9	UL	10.95	9.95	8.95	7.95
140599	ReliaPro	ADU240100D5531	24	1000	2.1mm x 5.5mm F	3.0 x 2.2 x 1.9	Black	6'	1.2	UL/CUL	11.95	10.95	9.95	8.95
10102	ReliaPro	ADU240100E0461	24	1000	3.5mm M	3.0 x 2.2 x 1.9	Black	6'	1.2	UL/CUL	11.95	10.95	9.95	8.95
2100195	ReliaPro	GPU572401500WA00	24	1500	2.1mm x 5.5mm F	3.3 x 2.6 x 2.3	Black	6'	1.7	UL/CUL	14.95	13.49	11.95	10.95



AC-to-DC "Slim Line" Regulated Switching Wall Adapters

Output connector: 2.1mm x 5.5mm F2 (center positive)

Compact in size and lightweight, they are the perfect power solution in all those applications where space is critical. And their high efficiency satisfies requirements for minimizing power losses. You no longer have to deal with traditional wall adapters that block unused outlets in wall plates and power strips/surge protectors.

- 2-wire AC input
- Output cord length: 6'
- Input voltage: 100 – 240VAC @ 47-63Hz
- Color: black
- One-year warranty



All are UL/CUL



Part No.	Output Rating		Size (H" x W" x D")	Wt. (lbs.)	Pricing			
	Volt (VDC)	Curr. (mA)			1	10	50	250
251565	3.3	1500	2.5x1.1x1.7	0.2	\$11.95	\$10.95	\$9.95	\$8.95
251600	3.3	2500	2.9x1.1x1.7	0.3	12.95	11.95	10.95	9.95
252701	5	500	2.9x1.1x1.7	0.2	10.95	9.95	8.95	7.95
252720	5	1000	2.5x1.1x1.7	0.2	12.95	11.49	9.95	8.95
252728	5	1500	2.5x1.1x1.7	0.2	13.95	12.49	10.95	9.95
252736	5	2500	2.9x1.3x2.2	0.3	14.95	13.49	11.95	10.49
2082222	5	3000	2.9x1.3x2.2	0.3	9.95	8.95	7.95	6.95
252753	9	500	2.5x1.1x1.7	0.2	11.95	10.95	9.95	8.95
1950841	9	1000	2.5x1.1x1.7	0.2	13.95	12.49	10.95	9.95
252779	9	1200	2.9x1.3x2.2	0.3	13.95	12.49	10.95	9.95
252786	9	1500	2.9x1.3x2.2	0.3	15.95	14.49	12.95	11.49

CEC

Part No.	Output Rating		Size (H" x W" x D")	Wt. (lbs.)	Pricing			
	Volt (VDC)	Curr. (mA)			1	10	50	250
252795	12	250	2.5x1.1x1.7	0.2	\$8.95	\$7.95	\$6.95	\$6.25
252808	12	500	2.5x1.1x1.7	0.2	10.95	9.95	8.95	7.95
252816	12	600	2.5x1.1x1.7	0.2	11.95	10.95	9.95	8.95
252824	12	1000	2.9x1.3x2.2	0.3	12.95	11.49	9.95	8.95
252833	12	1250	2.9x1.3x2.2	0.3	13.95	12.95	11.95	10.95
254757	15	800	2.9x1.3x2.2	0.2	12.95	11.49	10.49	9.49
252904	15	1000	2.9x1.3x2.2	0.3	13.95	12.95	11.95	10.95
252858	24	250	2.5x1.1x1.7	0.2	10.95	9.95	8.95	7.95
252866	24	500	2.9x1.3x2.2	0.3	12.95	11.95	10.95	9.95
2076341	24	630	2.9x1.3x2.2	0.3	12.95	11.95	10.95	9.95

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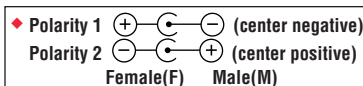
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AC-to-DC Regulated Switching Wall Adapters

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Female Straight

We are happy to change any listed DC wall adapter power plug to a connector of your choice (see pg 110) for just \$2.50 each.
A 100 pc. minimum order applies.



Female Right Angle



Screw Terminals



2135451

Part No.	Manufacturer	Product No.	Output Volt. (VDC)	Output Current (mA)	Output Connector ID x OD mm Female/Male; Polarity ◆	Input VAC @ Hz	Size (H" x W" x D")	Case Color	Output Cord Length	Wt. (lbs.)	Agency Approvals	Pricing		
												1	5	25
2126125	OEM	AD50051-W050080*	5	800	2.1mm x 5.5mm F 2	100-240@50-60	1.9 x 1.6 x 0.9	Black	6'	0.1	UL/CUL/CE/CEC	\$7.95	\$6.95	\$6.25
2135531	ReliaPro	LD-008*	5	1000	2.1mm x 5.5mm F 2	100-240@50-60	2.3 x 1.6 x 0.9	Black	4'	0.2	CE	8.95	7.95	6.95
1940660	Mean Well	GS06U1P1J*	5	1000	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CEC	11.95	10.95	9.95
1950981	Philips	AY3192/17	5	2000	1.7mm x 4.0mm F 2	100-240@50-60	3.1 x 1.4 x 1.3	Black	6'	0.3	UL/CUL	10.95	9.95	8.95
157340	D-Link	AF1205B	5	2000	2.1mm x 5.5mm right angle F 2	100-120@50-60	2.4 x 1.4 x 1.1	Black	6'	0.3	UL/CUL/TUV	8.95	7.95	6.95
210894	ReliaPro	SYS1193-1005*	5	2000	2.1mm x 5.5mm F 2	100-240@47-63	2.9 x 1.4 x 2.2	Black	6'	0.2	UL/CUL	11.95	10.95	9.95
1940740	Mean Well	GS12U05P11	5	2000	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.9 x 1.0	Black	4'	0.3	UL/CUL/CEC	13.95	12.95	11.95
2129641	ELPAC	WM1005-760†	5	2000	2.5mm x 5.5mm F 2	100-120@50-60	2.8 x 1.6 x 1.1	Black	6'	0.3	UL/CUL	10.95	9.95	8.95
2138741	ReliaPro	CP0520	5	2000	2.5mm x 5.5mm F 2	100-240@47-63	3.0 x 1.1 x 1.6	Black	6'	0.4	UL/CUL/TUV	12.95	11.95	10.95
2135419	DVE	DSA-0151A-05A	5	2400	2.1mm x 5.5mm F 2	100-120@50-60	3.0 x 2.0 x 1.3	Black	6'	0.3	UL/CUL	7.95	6.95	5.95
689864	ReliaPro	DSA-0151A-05	5	2400	2.5mm x 5.5mm right angle F 2	100-240@50-60	3.2 x 2.1 x 1.4	Black	6'	0.5	UL/CUL	14.95	13.95	12.95
2138724	Jentec	AF1805-A*	5	2500	2.1mm x 5.5mm right angle F 2	100-240@50-60	2.4 x 1.9 x 1.1	Black	6'	0.4	UL/CUL/CEC	12.95	11.95	10.95
1952863	Mean Well	GS18U05-P1J	5	3000	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	4'	0.5	UL/CUL/CEC	15.95	14.95	13.95
379623	Mean Well	GS25U05-P1J	5	4000	2.1mm x 5.5mm F 2	100-240@50-60	3.1 x 2.1 x 1.3	Black	4'	0.5	UL/CUL/CEC	15.95	14.95	13.95
2135451	Open Peak	LFS054000D-A8S*	5	4000	2.1mm x 5.5mm right angle F 2	90-132@60	3.3 x 2.0 x 1.5	Black	6'	0.3	UL/CUL/CEC	13.95	12.95	11.95
2082011	Friwo	MPA3U	6	400	2.1mm x 5.5mm right angle F 2	100-240@50-60	2.8 x 2.0 x 0.7	Black	6'	0.3	UL/CUL	3.95	3.49	2.95
2145078	ReliaPro	MGT-6500SPS*	6	500	2.1mm x 5.5mm F 2	90-264@50-60	2.5 x 1.7 x 1.1	Black	6'	0.3	UL/CUL/CEC	9.95	8.95	7.95
1940678	Mean Well	GS06U-11P1J*	7.5	800	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CEC	11.95	10.95	9.95
1940686	Mean Well	GS06U-2P1J*	9	660	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CEC	11.95	10.95	9.95
2099850	Ault	HES12-090130*†	9	1300	2.1mm x 5.5mm F 2	100-240@50-60	2.4 x 1.8 x 1.3	Black	6'	0.3	UL/CUL/CE	11.95	10.95	9.95
2135591	Unifive	US100913	9	1300	2.5mm x 5.5mm F 2	100-240@50-60	2.4 x 1.7 x 1.1	Black	6'	0.2	UL/CUL	11.95	10.95	9.95
1940766	Mean Well	GS12U09-P11	9	1330	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.9 x 1.0	Black	6'	0.3	UL/CUL	12.95	11.49	10.49
1952847	Mean Well	GS18U09-P1J	9	2000	2.1mm x 5.5mm F 2	100-240@50-60	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CEC	16.95	15.95	14.49
380140	Mean Well	GS25U09-P1J	9	2780	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CEC	17.95	16.95	15.49
2121578	MG Electronics	ST-12500	12	500	Screw terminals	100-240@50-60	3.8 x 2.1 x 1.6	Black	—	0.3	UL/CUL/CEC	8.95	7.95	7.49
1940694	Mean Well	GS06U-3P1J*	12	500	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CE	11.95	10.95	9.95
2150758	ReliaPro	MGT-12500SPS*	12	500	2.1mm x 5.5mm F 2	90-264@50-60	2.5 x 1.7 x 1.1	Black	6'	0.2	UL/CUL/TUV/CE	10.95	9.95	8.95
2151101	ReliaPro	CNR2260	12	500	2.1mm x 5.5mm F 2	100-240@50-60	3.6 x 2.0 x 1.3	Black	6'	0.3	UL/CUL/CEC	9.95	8.95	7.95
1955036	ReliaPro	26092#	12	700	2.1mm x 5.5mm F 2	95-240@47-63	4.0 x 2.3 x 1.1	Black	5.5'	0.4	UL/CUL	10.95	9.95	8.95
2129668	ELPAC	WM1012-760†	12	800	2.5mm x 5.5mm F 2	100-120@50-60	2.8 x 1.6 x 1.1	Black	6'	0.3	UL/CUL	10.95	9.95	8.95
2121586	MG Electronics	ST-121A	12	1000	Screw terminals	100-240@50-60	3.8 x 2.1 x 1.6	Black	—	0.3	UL/CUL/CEC	11.95	10.95	9.95
2151005	DVE	DSA-15P-12*	12	1000	2.1mm x 5.5mm F 2	100-240@50-60	2.7 x 1.8 x 1.1	Black	6'	0.2	UL/CUL/CEC	11.95	10.95	9.95
1940774	Mean Well	GS12U12-P11	12	1000	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.9 x 1.0	Black	6'	0.3	UL/CUL/CEC	13.95	12.49	10.95
2126002	ITE Power	S018BU1200150	12	1500	2.5mm x 5.5mm F 2	100-240@50-60	2.9 x 1.7 x 1.2	Black	6'	0.3	UL/CUL/CEC	14.95	13.49	12.95
1952855	Mean Well	GS18U12-P1J	12	1500	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	4'	0.2	UL/CUL/CE/CEC	15.95	14.95	13.95
2082134	MG Electronics	ST-122A	12	2000	Screw terminals	100-240@50-60	3.8 x 2.1 x 1.6	Black	—	0.4	UL/CUL/CEC	14.95	13.49	11.95
2154994	ReliaPro	PRS-C24US12*†	12	2000	2.1mm x 5.5mm F 2	100-240@50-60	2.9 x 2.1 x 1.3	Black	6'	0.4	UL/CUL	13.95	12.95	11.49
1950497	ReliaPro	GQ30-120200-BU*	12	2000	2.1mm x 5.5mm F 2	100-240@50-60	2.9 x 2.1 x 1.3	Black	6'	0.4	UL/CUL/CE	15.95	14.49	12.95
380156	Mean Well	GS25U12-P1J	12	2080	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	4'	0.5	UL/CUL/CE/CEC	16.95	15.95	14.95
2151208	ReliaPro	LFS123000D-A8B##	12	3000	2.1mm x 5.5mm F 2	100-240@50-60	3.8 x 2.4 x 1.6	Black	6'	0.5	UL/CUL	19.95	17.95	16.49
1940707	Mean Well	GS06U-4P1J*	15	400	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CEC	10.95	9.95	8.95
1952871	Mean Well	GS18U15-P1J	15	1200	2.1mm x 5.5mm F 2	100-240@50-60	3.1 x 2.1 x 1.4	Black	6'	0.4	UL/CUL/CE/CEC	15.95	14.95	13.95
380173	Mean Well	GS25U15-P1J	15	1670	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	16.95	15.95	14.95
380191	Mean Well	GS25U18-P1J	18	1380	2.1mm x 5.5mm F 2	100-240@50-60	3.1 x 1.2 x 1.3	Black	6'	0.5	UL/CUL/CEC	16.49	14.95	13.49
2129650	ELPAC	WM1024-760†	24	400	2.5mm x 5.5mm F 2	100-120@50-60	2.8 x 1.6 x 1.1	Black	6'	0.3	UL/CUL	9.95	8.95	7.95
1940803	Mean Well	GS12U24-P11	24	500	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.9 x 1.0	Black	6'	0.3	UL/CUL/CEC	13.95	12.95	11.95
1952898	Mean Well	GS18U24-P1J	24	750	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CEC	15.95	14.95	13.95
2121594	MG Electronics	ST-241A	24	1000	Screw terminals	100-240@50-60	3.8 x 2.1 x 1.6	Black	—	0.3	UL/CUL/CEC	12.95	11.95	10.95
1953698	ReliaPro	ADR-24V1000MA-2.1	24	1000	2.1mm x 5.5mm F 2	100-240@50-60	3.4 x 2.7 x 2.2	Black	6'	1.3	UL/CSA	16.95	14.49	12.95
1953671	ReliaPro	MPC-2400107	24	1000	2.5mm x 5.5mm F 2	120-240@50-60	3.4 x 2.7 x 2.2	Black	6'	1.3	UL/CSA	16.95	14.49	12.95
380202	Mean Well	GS25U24-P1J	24	1040	2.1mm x 5.5mm F 2	100-240@50-60	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CEC	16.49	14.95	13.49
380220	Mean Well	GS25U28-P1J	28	890	2.1mm x 5.5mm F 2	100-240@50-60	3.1 x 2.1 x 1.3	Black	6'	0.6	UL/CUL/CEC	16.49	14.95	13.49
380412	Mean Well	ES25U36-P1M	36	690	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	16.49	14.95	13.49
380244	Mean Well	GS25U48-P1J	48	520	2.1mm x 5.5mm F 2	100-240@50-60	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CEC	16.49	14.95	13.49

*Slimline package †RFI filter on cord # With light indicator ## 3-wire/ground plug CEC

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

AC-to-DC Regulated Wall Adapters

Energy Star Worldwide Interchangeable AC-to-DC Regulated Switching Wall Adapters

Meets US and European Energy Star compliance. Approved for European high-efficiency power applications.

- Field changeable AC Plug Clips (sold separately, see below)
- Regulated output • Double insulated
- Input voltage: 90-264VAC @ 47-63Hz • Power-On LED
- Output connector: 2.1mm x 5.5mm female center positive; except P/N 2144809: 2.5mm x 5.5mm female straight center positive
- Load regulation: ±5% • Class B EMI • Color: black
- Applications: wireless communications, portable equipment, digital camera, peripherals and networking



★ Web Code: NBH

NEW
MARKED IN PINK



Shown w/o AC Plug Clip
AC Plug Clips Not Included

Wall Adapters (AC Plug Clip required, not included)

Phihong & Mean Well AC Plug Clips (below)

Part No.	Manufacturer	Mfr. Part No.	Output Volt. (VDC)	Current (A)	Power (W)	Ripple (mVp-p)	Line Regulation	Efficiency (%)	Dimensions (L" x W" x H")	Pricing		
										1	5	25
2144809	Phihong	PSA08R-050†#	5	1.0	5	50	±1%	70	2.8 x 1.8 x 1.0	\$10.95	\$9.95	\$8.95
2139815	Phihong	PSAC05R-050(P)R	5	1.0	5	50	±1%	60 - 75	2.8 x 1.8 x 1.2	11.95	10.95	9.95
2158240	Phihong	PSM11R-050R##	5	2.0	10	100	±5%	70	2.8 x 1.7 x 1.2	10.95	9.95	8.95
2082302	Mean Well	GE12I05-P1JR	5	2.0	10	50	±5%	70	2.8 x 1.6 x 1.5	11.95	10.95	9.95
2155401	Phihong	PSA15R-090P-RR	9	1.66	15	90	±5%	75	2.8 x 2.0 x 1.3	15.95	14.95	13.95
2082311	Mean Well	GE18I09-P1JR	9	2.0	18	100	±5%	75	3.2 x 1.7 x 1.6	17.95	16.95	14.49
2138951	Phihong	PSA11R-120	12	0.83	10	120	±1%	65	2.8 x 1.8 x 1.2	9.95	8.95	7.95
2108656	Phihong	PSC12R-120R	12	1.0	12	240	±5%	78	2.8 x 1.8 x 1.2	14.95	13.95	12.95
2154986	ReliaPro	FW75550/12R*	12	1.25	15	150	±5%	80	3.5 x 2.0 x 1.3	16.95	15.95	14.95
2100179	Phihong	PSAA20R-120R	12	1.67	20	120	±5%	81	2.8 x 2.0 x 1.3	17.95	16.95	14.49
2082337	Mean Well	GE12I15-P1JR	15	0.8	12	150	±3%	76	2.8 x 1.6 x 1.5	13.95	12.49	10.95
2082345	Mean Well	GE12I24-P1JR	24	0.63	15	240	±3%	80	2.8 x 1.6 x 1.5	14.95	13.95	12.95
2155410	Phihong	PSC30R-240-RR	24	1.25	30	240	±1%	80	3.9 x 2.5 x 1.4	17.95	16.49	14.95

† Comes with USA AC plug clip (RPA) # 2.5mm x 5.5mm female plug ## Mini USB plug * Kit includes US, UK, EU, AUS plugs

Phihong AC Plug Clips (sold separately, required for above adapters)

Part No.	Mfr. P/N	Description (see above for photos)	1	10	50	250
229155	RPA	USA AC plug only	\$1.25	\$1.19	\$1.09	\$0.99
229163	RPE	European AC plug only	1.25	1.19	1.09	.99
229181	RPKIT	Kit includes RPA/RPE/PPK/RPS clips (4)	4.49	4.25	3.95	3.59

Mean Well AC Plug Clips (sold separately, required for above adapters)

Part No.	Mfr. P/N	Description (see above for photos)	1	10	50	250
2082353	AC-Plug-US	USA AC plug only	\$1.25	\$1.19	\$1.09	\$0.99
2082361	AC-Plug-EU	European AC plug only	1.25	1.19	1.09	.99
2082396	AC-Plug-MIX	Kit includes US, EU, UK & AU clips (4)	4.49	4.25	3.95	3.59



AC-to-DC Regulated Linear Wall Adapters

We specialize in Wall Adapters – Call for additional OEM PRICING.

★ Web Code: WAZ

♦ Polarity figures & photos on next page

Part No.	Manufacturer	Product No.	Output Rating		Output Connector ID x OD mm Female/Male; Polarity ♦	Input VAC @ Hz	Size (H" x W" x D")	Case Color	Output Cord Length	Wt. (lbs.)	Agency Approvals	Pricing			
			Voltage (VDC)	Current (mA)								1	10	50	250
164101	ReliaPro	GPU410500500WD00	5	500	2.1mm x 5.5mm F 2	120 @ 60	3.1 x 2.1 x 1.7	Black	6'	0.6	UL/CUL	\$10.95	\$9.95	\$8.95	\$7.95
319986	ReliaPro	DV-580R	5	800	2.5mm x 5.5mm F 2	120 @ 60	3.2 x 2.2 x 2.0	Black	6'	1.0	UL/CUL	8.95	7.95	6.95	5.95
2081609	Condor	RWP480505	5	1000	2.1mm x 5.5mm F 2	120 @ 60	3.2 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	8.95	7.95	6.95	5.95
1953612	ReliaPro	DBU0501000	5	1000	2.1mm x 5.5mm F 2	120 @ 60	3.3 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	9.95	8.95	7.95	7.49
168605	ReliaPro	DBU0501000	5	1000	2.5mm x 5.5mm F 2	120 @ 60	3.3 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	10.95	9.95	8.95	7.95
190512	ReliaPro	DBU60020-H3570	6	200	2.1mm x 5.5mm F 2	120 @ 60	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	9.95	8.95	7.95	6.95
2138716	ReliaPro	D41-06-500R	6	500	2.1mm x 5.5mm F 1	120 @ 60	2.6 x 2.1 x 1.5	Black	6'	0.6	UL/CUL	8.95	7.95	6.95	5.95
283573	ReliaPro	ADR-6V500MA-2.1	6	500	2.1mm x 5.5mm F 2	120 @ 60	3.1 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	10.95	9.95	8.95	7.95
1953701	ReliaPro	ADR-6V500MA-2.5	6	500	2.5mm x 5.5mm F 2	120 @ 60	3.1 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	7.95	6.95	5.95	5.49
1953719	ReliaPro	DBU0601000	6	1000	2.1mm x 5.5mm F 2	120 @ 60	3.2 x 2.3 x 2.0	Black	6'	1.3	UL/CSA	12.95	11.49	9.95	8.95
190529	ReliaPro	AD9123	9	250	2.5mm x 5.5mm right angle F 2	120 @ 60	2.5 x 2.0 x 1.6	Black	6'	0.5	UL/CSA	10.95	9.95	8.95	7.95
1953639	ReliaPro	DCU09050	9	500	2.1mm x 5.5mm F 2	120 @ 60	2.4 x 2.0 x 1.6	Black	6'	0.9	UL/CSA	10.95	10.49	9.95	8.95
1953647	ReliaPro	SF41-0900500RU	9	500	2.5mm x 5.5mm F 2	120 @ 60	3.0 x 2.0 x 1.6	Black	6'	0.9	UL/CSA	10.95	10.49	9.95	8.95
220898	ReliaPro	DCU120020	12	200	2.1mm x 5.5mm F 1	120 @ 60	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CUL	8.95	7.95	6.95	6.25
162996	ReliaPro	DDU120050	12	500	2.1mm x 5.5mm F 2	120 @ 60	3.2 x 2.2 x 1.9	Black	6'	0.9	UL/CUL	11.95	10.95	9.95	8.95
170245	ReliaPro	RDU120100	12	1000	2.1mm x 5.5mm F 2	120 @ 60	3.2 x 2.3 x 2.0	Black	6'	1.2	UL/CUL	14.95	13.49	11.95	10.95
1953663	ReliaPro	DCU1201000	12	1000	2.5mm x 5.5mm F 2	120 @ 60	3.3 x 2.3 x 2.0	Black	6'	1.2	UL/CSA	14.95	13.49	11.95	10.95
174861	ReliaPro	DFU240050	24	500	2.1mm x 5.5mm F 2	120 @ 60	3.4 x 2.7 x 2.2	Black	6'	1.3	UL/CUL	14.95	13.49	11.95	10.95
174879	ReliaPro	DCU090025	24	500	2.5mm x 5.5mm F 2	120 @ 60	3.4 x 2.7 x 2.2	Black	6'	1.3	UL/CUL	14.95	13.49	11.95	10.95

More AC-to-DC Wall Adapters listed on pages 101-102 & 104-105

BEST SELLING – LINEAR REGULATED/UNREGULATED WALL ADAPTERS

P/N 164101 5V @ 0.5A \$10.95 (above)
P/N 283573 6V @ 0.5A 10.95 (above)
P/N 170245 12V @ 1A 14.95 (above)



P/N 100175 9V @ 0.6A \$7.95 (pg 104)
P/N 102496 12V @ 0.5A 7.95 (pg 105)
P/N 100870 12V @ 1A 9.95 (pg 105)

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

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AC-to-DC Unregulated Linear Wall Adapters

4 LEVELS OF SAVINGS			
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JAMECO ReliaPro



AC-to-DC Unregulated Linear Wall Adapters

120VAC @ 60Hz

We specialize in Wall Adapters – Call for additional OEM PRICING.

★ Web Code: UAP



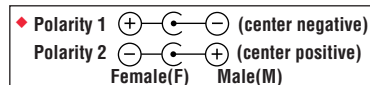
We are happy to change any listed DC wall adapter power plug to a connector of your choice (see pg 110) for just \$2.50 each. A 100 pc. minimum order applies.



2099921



100095



Part No.	Manufacturer	Product No.	Output Rating		Output Connector ID x OD mm Female/Male; Polarity ◆	Size (H" x W" x D")	Case Color	Output Cord Length	Wt. (lbs.)	Agency Approvals	Pricing			
			Voltage (VDC)	Current (mA)							1	10	50	250
2126109	ReliaPro	K12D045025023U	4.5	250	2.1mm x 5.5mm F 2	2.3 x 1.5 x 1.4	Black	6'	0.3	UL/CUL	\$4.95	\$4.49	\$3.95	\$3.59
112070	ReliaPro	DBU050022Z5480	5	225	2.5mm x 5.5mm F 2	1.9 x 2.2 x 2.0	Black	7'	0.3	UL/CSA	5.95	5.49	4.95	4.49
2125536	CUI Inc	DPD050025	5	250	2.1mm x 5.5mm F 2	2.2 x 1.5 x 1.4	Black	6'	0.3	UL/CUL	3.95	3.59	3.29	2.95
155601	ReliaPro	DCU050100B3582	5	1000	2.1mm x 5.5mm F 2	2.6 x 2.0 x 1.7	Black	6'	0.7	UL/CSA	9.95	8.95	7.95	6.95
1918657	ReliaPro	DDU050100	5	1000	2.5mm x 5.5mm F 2	3.2 x 2.2 x 1.9	Black	6'	0.7	UL/CUL	9.95	8.95	7.95	6.95
302439	Dynage	LF06300D-08	6	300	2.1mm x 5.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	3.95	3.49	2.95	2.59
2099551	Fuhua	UE-3560300D	6	300	2.5mm x 5.5mm F 2	2.2 x 1.7 x 1.7	Black	6'	0.4	UL/CUL	3.95	3.49	2.95	2.59
119255	ReliaPro	DBU060050Z2251	6	500	2.1mm x 5.5mm F 1	2.3 x 1.8 x 1.8	Black	6'	0.6	UL/CUL	6.95	6.25	5.59	4.95
101266	ReliaPro	DBU060050E3860	6	500	2.1mm x 5.5mm F 2	2.4 x 1.9 x 1.6	Black	6'	0.4	UL/CSA	6.95	6.25	5.59	4.95
15544	ReliaPro	DBU060050Z8371	6	500	3.5mm M 2	2.4 x 1.9 x 1.6	Black	6'	0.4	UL/CSA	6.95	6.25	5.59	4.95
2081431	ReliaPro	DV-0670-B14	6	700	2.1mm x 5.5mm F 2	2.4 x 2.0 x 1.6	Black	6'	0.5	UL/CUL	3.95	3.49	2.95	2.59
147707	ReliaPro	DBU060080C6962	6	800	2.1mm x 5.5mm F 2	2.3 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	8.95	7.95	6.95	5.95
220943	ReliaPro	DCU060120G2401	6	1200	2.1mm x 5.5mm F 1	2.5 x 2.0 x 1.7	Black	6'	0.7	UL/CUL	9.95	8.95	7.95	6.95
220951	ReliaPro	DCU075100G2291	7.5	1000	2.1mm x 5.5mm F 1	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	8.95	7.95	6.95	5.95
248751	ReliaPro	AD-071A	7.5	1000	2.5mm x 5.5mm F 2	2.3 x 2.3 x 1.9	Black	6'	0.9	UL/CSA	5.95	5.49	4.95	4.59
355936	ReliaPro	DBU090020	9	200	1.3mm x 3.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	5.95	5.35	4.79	4.39
134025	ReliaPro	DBU090020Z6100	9	200	2.1mm x 5.5mm F 1	2.1 x 1.7 x 1.6	Black	6'	0.4	UL/CSA	5.95	5.35	4.79	4.39
2100152	ReliaPro	AP2911	9	200	2.1mm x 5.5mm F 2	2.6 x 1.8 x 1.5	Black	6'	0.4	UL/CUL	3.95	3.49	2.95	2.59
100845	ReliaPro	DBU090020E0850	9	200	2.1mm x 5.5mm F 2	2.1 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	6.95	5.95	5.49	4.59
2082556	ReliaPro	5-2616	9	200	2.1mm x 5.5mm right angle F 2	2.2 x 1.4 x 1.4	Black	6'	0.5	UL/CUL	3.95	3.49	2.95	2.59
2082548	Atlinks	5-2617	9	200	2.1mm x 5.5mm right angle F 2	2.2 x 1.4 x 1.4	Gray	6'	0.5	UL/CUL	2.95	2.49	1.95	1.75
2138847	ReliaPro	D6300-01	9	200	2.5mm M 2	2.2 x 1.7 x 1.4	Black	6'	0.4	UL/CSA	4.95	4.49	3.95	3.59
133891	ReliaPro	DBU090030C112	9	300	2.1mm x 5.5mm F 2	2.0 x 1.5 x 1.5	Black	6'	0.4	UL/CSA	6.95	5.95	5.49	4.95
318676	ReliaPro	DBU090030H5790	9	300	2.5mm x 5.5mm F 1	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	6.95	5.95	5.49	4.95
1949120	ReliaPro	AD35-0900300DU	9	300	2.5mm x 5.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL	4.95	4.49	3.95	3.59
189238	ReliaPro	DBU090030H4540	9	300	2.5mm x 5.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	6.95	5.95	4.95	4.49
163628	ReliaPro	DCU090050Z7484	9	500	2.1mm x 5.5mm F 1	2.5 x 1.9 x 1.7	Black	6'	0.6	UL/CSA	6.95	6.25	5.59	4.95
2151064	CUI Stack	DPD090050-P5	9	500	2.1mm x 5.5mm F 2	2.3 x 2.0 x 1.6	Black	6'	0.5	UL/CSA	5.95	5.39	4.79	4.29
100853	ReliaPro	DCU090050E2961	9	500	2.1mm x 5.5mm F 2	2.5 x 1.9 x 1.7	Black	6'	0.6	UL/CSA	6.95	6.25	5.59	4.95
147732	ReliaPro	OH-41036DT	9	500	2.1mm x 5.5mm F 2	2.6 x 2.0 x 1.7	Beige	6'	0.6	UL/CSA	5.95	5.25	4.59	3.95
236937	ReliaPro	DCU090050G6440	9	500	2.5mm x 5.5mm right angle F 2	2.5 x 2.0 x 1.7	Black	6'	0.4	UL/CSA	6.95	6.25	5.59	4.95
15561	ReliaPro	DCU090050A2011	9	500	3.5mm M 2	2.5 x 2.0 x 1.6	Black	6'	0.5	UL/CSA	6.95	6.25	5.59	4.95
202180	ReliaPro	DCU090060F2091	9	600	2.1mm x 5.5mm F 2	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	7.95	6.95	5.95	5.49
100175	ReliaPro	DCU090060Z6652	9	600	2.5mm x 5.5mm F 2	2.7 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	7.95	6.95	5.95	5.49
202198	ReliaPro	DCU090080F2221	9	800	2.1mm x 5.5mm F 2	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	6.95	6.25	5.59	4.95
164929	ReliaPro	DDU090100C2550	9	1000	2.1mm x 5.5mm F 1	2.7 x 2.3 x 1.8	Black	6'	0.9	UL/CUL	9.95	8.95	7.95	6.95
421690	ReliaPro	SA48-29A	9	1000	2.1mm x 5.5mm F 2	3.1 x 2.2 x 1.8	Black	6'	1.1	UL/CSA	8.95	7.95	6.95	5.95
364576	ReliaPro	DDU090100J0490	9	1000	2.1mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	0.9	UL/CUL	9.95	8.95	7.95	6.95
2099905	Golden Regent	W48D-H1000	9	1000	2.5mm x 5.5mm F 1	3.2 x 2.3 x 1.9	Black	6'	0.9	UL/CUL	3.95	2.95	2.49	1.79
2099913	ENG Electric	T48-9-1000D3	9	1000	2.5mm x 5.5mm F 1 (Euro plug)	3.2 x 2.3 x 1.9	Black	6'	0.9	CE/TUV	3.95	2.95	2.49	1.95
2099921	ENG Electric	T48-9-1000D4	9	1000	2.5mm x 5.5mm F 1 (UK plug)	3.2 x 2.3 x 1.9	Black	6'	0.9	CE/TUV	3.95	2.95	2.49	1.95
127505	ReliaPro	DDU090100	9	1000	2.5mm x 5.5mm F 2	2.6 x 2.4 x 2.0	Black	6'	0.9	UL/CSA	9.95	8.95	7.95	6.95
130526	ReliaPro	DDE090120F3621	9	1200	2.1mm x 5.5mm F 1	2.4 x 2.0 x 1.8	Black	6'	1.0	UL/CSA	11.95	10.95	9.95	8.95
2082193	Philips	SPA-3545-81	12	100	2.1mm x 5.5mm F 2	2.5 x 1.8 x 1.5	Black	6'	0.5	UL/CSA	3.49	2.95	2.49	1.95
100095	ReliaPro	DBU120020G0610	12	200	2.1mm x 5.5mm F 2	2.1 x 1.8 x 1.5	Black	6'	0.4	UL/CUL	5.95	5.49	4.95	4.49
158043	ReliaPro	DBU120020E2261	12	200	2.1mm x 5.5mm right angle F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	5.95	5.49	4.95	4.49
127976	ReliaPro	DCU120030D7161	12	300	2.1mm x 5.5mm F 2	2.6 x 1.8 x 1.6	Black	6'	0.7	UL/CUL	7.95	6.95	5.95	4.95
2155381	CUI	DV-1230	12	300	2.1mm x 5.5mm F 2	2.3 x 1.9 x 1.9	Black	6'	0.5	UL/CSA	6.95	6.25	5.59	3.95
290503	ReliaPro	ADA-410	12	400	2.1mm x 5.5mm right angle F 2	2.6 x 2.1 x 1.9	Black	6'	0.5	UL/CUL	7.95	7.25	6.49	5.95

* 240VAC 50Hz

More AC-to-DC Wall Adapters listed on pages 101-103 & 105

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

AC-to-DC Unregulated Linear Wall Adapters

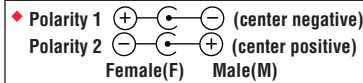
JAMECO ReliaPro

AC-to-DC Unregulated Linear Wall Adapters (Continued)

* Web Code: UAP

120VAC @ 60Hz

We specialize in Wall Adapters – Call for additional OEM PRICING.



We are happy to change any listed DC wall adapter power plug to a connector of your choice (see pg 110) for just \$2.50 each.
A 100 pc. minimum order applies.



Part No.	Manufacturer	Product No.	Output Rating		Output Connector ID x OD mm Female/Male; Polarity ◆	Size (H" x W" x D")	Case Color	Output Cord Length	Wt. (lbs.)	Agency Approvals	Pricing			
			Voltage (VDC)	Current (mA)							1	10	50	250
114825	ReliaPro	DCU120050D4740	12	500	Stripped & tinned	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	\$7.95	\$6.95	\$6.59	\$5.95
15368	ReliaPro	DCU120050Z8698	12	500	2.1mm x 5.5mm F 1	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	7.95	6.95	6.59	5.95
102496	ReliaPro	DCU120050E8601	12	500	2.1mm x 5.5mm F 2	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	7.95	7.29	6.59	5.95
102277	ReliaPro	DCU120050UE2631	12	500	2.5mm x 5.5mm F 2	2.5 x 2.1 x 1.7	Black	6'	0.6	UL/CSA	7.95	7.29	6.59	5.95
17267	ReliaPro	DCU120050Z5391	12	500	3.5mm M 2	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	7.95	7.29	6.59	5.95
202219	ReliaPro	DCU120070F2142	12	700	2.1mm x 5.5mm F 2	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	8.95	7.95	7.29	6.49
2151144	CUI Stack	48-12-800	12	800	Cut leads F 2	3.2 x 2.3 x 1.9	Black	6'	0.9	UL/CUL	6.95	5.95	5.25	4.95
117479	ReliaPro	DDU120080E6451	12	800	2.1mm x 5.5mm F 2	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CSA	8.95	7.95	7.49	6.95
129331	ReliaPro	DDU120080F2412	12	800	2.5mm x 5.5mm F 2	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CSA	8.95	7.95	7.49	6.95
121232	ReliaPro	DDU120080F2271	12	800	3.5mm M 2	2.6 x 2.4 x 2.0	Black	6'	0.9	UL/CSA	8.95	7.95	7.49	6.95
2151013	Lite-On	PB-1120-IL	12	1000	2.1mm x 5.5mm F 2	2.5 x 2.2 x 2.0	Black	6'	1.0	UL/CUL	7.95	6.95	6.25	5.59
100870	ReliaPro	DDU120100Z7974	12	1000	2.1mm x 5.5mm F 2	2.6 x 2.4 x 1.9	Black	6'	0.9	UL/CSA	9.95	8.95	7.95	7.29
105478	ReliaPro	DDU120100Z2993	12	1000	2.5mm x 5.5mm F 2	3.1 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	9.95	8.95	7.95	7.29
15392	ReliaPro	DDU120100E7302	12	1000	3.5mm M 2	3.3 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	9.95	8.95	7.95	7.29
2125991	CUI Inc	57-12-1200D	12	1200	2.1mm x 5.5mm F 2	3.6 x 2.6 x 2.1	Black	6'	1.4	UL/CUL	8.95	7.95	6.95	5.95
196779	ReliaPro	DDU120120G0031	12	1200	2.5mm x 5.5mm F 2	3.0 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	11.95	10.95	9.95	8.95
203036	ReliaPro	DDU120150H4530	12	1500	2.1mm x 5.5mm F 1	3.3 x 2.2 x 1.9	Black	6'	1.5	UL/CUL	15.95	14.95	13.49	11.95
136881	ReliaPro	DDU120150K1960	12	1500	2.1mm x 5.5mm F 2	3.4 x 2.7 x 2.2	Black	6'	1.5	UL	15.95	14.95	13.49	11.95
101291	ReliaPro	DDU120150	12	1500	2.5mm x 5.5mm F 2	3.4 x 2.7 x 2.2	Black	6'	1.5	UL/CUL	15.95	14.95	13.49	11.95
2135620	Tamura	425A12400P	12.5	400	2.1mm x 2.5mm right angle F 2	3.3 x 2.2 x 1.6	Black	8'	0.7	UL/CUL	4.95	3.95	3.49	2.95
2077626	ReliaPro	TXACA036	13	1000	2.5mm x 5.5mm F 2 (Switching)	2.7 x 2.4 x 1.6	Black	6'6"	0.6	UL/CE	4.95	3.95	3.49	2.95
308099	ReliaPro	DDU135100H3210	13.5	1000	2.1mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	10.95	9.95	8.95	7.95
2135582	Ault	P48131000A010G	13.5	1000	2.5mm x 5.5mm right angle F 2	3.2 x 2.2 x 1.9	Black	6'	1.1	UL/CSA	8.95	7.95	6.95	5.95
212812	ReliaPro	DBU140020F6022	14	200	2.1mm x 5.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.8	UL/CUL	3.95	3.59	3.29	2.95
129314	ReliaPro	DV-1250	14	360	2.5mm x 5.5mm right angle F 2	2.3 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	3.95	3.59	3.29	2.95
123932	ReliaPro	DDU140070Z7470	14	700	2.1mm x 5.5mm F 2	2.6 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	8.95	7.95	6.95	6.25
202260	ReliaPro	DDU140100F3270	14	1000	2.1mm x 5.5mm F 2	3.9 x 2.9 x 2.4	Black	6'	0.9	UL/CUL	9.95	8.95	7.95	6.95
190001	ReliaPro	DCU150050E3021	15	500	2.1mm x 5.5mm F 2	2.3 x 2.4 x 1.9	Black	6'	0.8	UL/CSA	8.95	7.95	7.29	6.49
189982	ReliaPro	DCU150050E3031	15	500	2.5mm x 5.5mm F 2	2.3 x 2.4 x 1.9	Black	6'	0.8	UL/CSA	8.95	7.95	7.29	6.49
2135427	Ventronics	D48W150900-14/1	15	900	2.1mm x 5.5mm F 2	2.5 x 2.2 x 2.0	Black	6'	0.8	UL/CUL	8.95	7.95	6.95	5.95
203502	ReliaPro	DDU150090F4480	15	900	2.5mm x 5.5mm F 2	2.6 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	9.95	8.95	7.95	6.95
191652	ReliaPro	DDU150100D7051	15	1000	2.1mm x 5.5mm F 2	3.3 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	10.95	9.95	8.95	7.95
681563	Ault	P48151000A020G	15	1000	2.5mm x 5.5mm F 2	3.3 x 2.3 x 1.9	Black	6'	1.2	UL/CSA	7.95	6.95	5.95	4.95
162317	ReliaPro	DDU165050J19910	16	500	2.1mm x 5.5mm F 2	2.5 x 2.0 x 1.7	Black	6'	0.8	UL/CSA	9.95	8.95	7.95	7.29
217541	NiteRider	FE4116168C030	16.8	300	2.5mm x 5.5mm F 2	3.1 x 2.1 x 1.6	Black	6'	0.6	UL/CUL	3.95	3.59	3.29	2.95
2081713	DVE	DV-1790	17	900	2.5mm x 5.5mm F 2	3.2 x 2.2 x 2.0	Black	6'	1.2	UL/CSA	3.95	3.49	2.95	2.59
217568	NiteRider	FE4126180P040	18	400	2.5mm x 5.5mm F 2 (w/ LED indicator)	3.5 x 2.1 x 1.6	Black	6'	0.8	UL/CUL	3.95	3.49	2.95	2.59
163272	ReliaPro	DDU180050C1031	18	500	2.1mm x 5.5mm F 2	2.6 x 2.3 x 1.9	Black	6'	0.8	UL/CUL	6.95	5.95	5.25	4.59
206958	ReliaPro	DDU180100H44551	18	1000	2.5mm x 5.5mm F 2	3.3 x 2.2 x 1.9	Black	6'	1.4	UL/CUL	10.95	9.95	8.95	7.95
102285	ReliaPro	DDU240040Z7860	24	400	2.1mm x 5.5mm F 2	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CUL	8.95	7.95	7.29	6.49
163635	ReliaPro	DDU240050C1981	24	500	2.1mm x 5.5mm F 1	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.95	8.95	7.95	7.29
191556	ReliaPro	DDU240050E5852	24	500	2.5mm x 5.5mm F 2	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.95	8.95	7.95	7.29
139088	ReliaPro	DDU240050E9160	24	500	3.5mm M 2	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.95	8.95	7.95	7.29
1918930	ReliaPro	DDU240060L260	24	600	2.1mm x 5.5mm F 2	2.9 x 2.2 x 1.9	Black	6'	0.4	UL/CUL	10.95	9.95	8.95	7.95
168495	ReliaPro	DFU240080J3180	24	800	2.1mm x 5.5mm F 2	2.9 x 1.9 x 1.6	Black	6'	0.4	UL/CUL/TUV	12.95	11.95	10.95	9.95
220960	ReliaPro	DFU240100G2300	24	1000	2.1mm x 5.5mm F 1	3.4 x 2.7 x 2.2	Black	6'	1.6	UL/CUL	14.95	13.49	11.95	9.95
249121	ReliaPro	DFU240120G8520	24	1150	2.1mm x 5.5mm F 2	3.4 x 2.7 x 2.2	Black	6'	1.7	UL/CUL	17.95	15.95	14.49	12.95
249113	ReliaPro	DFU240120G8510	24	1150	2.5mm x 5.5mm F 2	3.4 x 2.7 x 2.2	Black	6'	1.7	UL/CUL	17.95	15.95	14.49	12.95
199523	ReliaPro	DDU300050E9340	30	500	2.5mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	1.1	UL/CUL	10.95	9.95	8.95	7.95
15309	ReliaPro	900-051	3, 4.5, 6, 7.5, 9, 12	500 120VAC	1.3 x 3.5, 2.1 x 5.0, 2.5 x 5.5 Female 2.5, 3.5 Male, 9V battery snap (LED ind.)	3.0 x 2.2 x 2.1	Black	6'	0.7	UL/CSA	9.95	8.95	7.95	6.95
123158	ReliaPro	900-100	1.5, 3, 4.5, 6, 7.5, 9, 12	1000 110-220VAC	1.3 x 3.5, 2.1 x 5.0, 2.5 x 5.5 Female 2.5, 3.5 Male, 9V battery snap (LED ind.)	3.7 x 2.2 x 2.5	Black	6'	0.9	—	11.95	10.95	9.95	8.95

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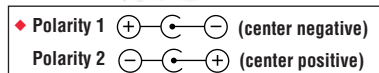
AC-to-DC Table-Top Power Supplies

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



















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See page 113 for International Power Cords

Part No.	Manufacturer	Product No.	Output Volts (VDC)/ Current (A)	Output Connector ID x OD/F = female; M = male; Polarity 	Input VAC@Hz	Output Power (W)	LED Ind.	Size (L" x W" x H")	Cords * (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing		
												1	5	25
2-Wire AC Input – Unregulated Linear Table-Top												★ Web Code: TBE		
2155006	Lite-On	PB-1090-1L1	+12/0.75	2.5mm x 5.5mm F 2	120@60	9	No	3.2 x 2.2 x 1.9	6'/6"	1.1	UL/CUL	\$9.95	\$8.95	\$8.49
2081941	Toshiba	AD-121ADT	+12/1.0	2.1mm x 5.5mm F 2	120@60	12	No	3.2 x 2.2 x 1.9	6'/6"	1.3	UL/CUL	6.95	6.25	5.59
140880	ReliaPro	DC1215ST	+12/1.5	Stripped & Tinned	120@60	18	No	3.1 x 2.1 x 1.9	6'/6"	1.5	UL	12.95	11.95	10.95
143715	ReliaPro 	DC1220F1	+12/2.0	2.1mm x 5.5mm F 2	120@60	24	No	3.8 x 2.8 x 2.3	6'/6"	2.2	UL/CUL	15.95	14.95	13.95
143722	ReliaPro	DC1220F5	+12/2.0	2.5mm x 5.5mm F 2	120@60	24	No	3.8 x 2.8 x 2.3	6'/6"	2.2	UL/CUL	15.95	14.95	13.95
143731	ReliaPro	DC1220M3	+12/2.0	3.5mm M 2	120@60	24	No	3.8 x 2.8 x 2.3	6'/6"	1.9	UL/CUL	14.95	13.49	11.95
2099569	ReliaPro	57-1607-U4D	+16/0.7	2.5mm x 5.5mm F 2	120@60	19	No	3.6 x 2.7 x 3.6	6'/6"	1.3	UL	4.95	4.49	3.95
139096	ReliaPro	DC2412F1	+24/1.2	2.1mm x 5.5mm F 2	120@60	29	No	4.4 x 3.1 x 2.6	6'/6"	2.5	—	15.95	14.95	13.95
2-Wire AC Input – Regulated Linear Table-Top												★ Web Code: CEM		
664261	Intermec	062035	+5/0.75	4-pin DIN M	120@60	3.75	No	4.4 x 2.5 x 2.0	6'/6"	1.6	UL/CSA	\$6.95	\$5.95	\$4.95
174845	ReliaPro 	GQ-ADT57250-0044	+24/1.0	2.1mm x 5.5mm F 2	120@60	24	No	3.4 x 2.6 x 2.2	6'/6"	2.6	UL	17.95	15.95	14.49
2-Wire AC Input – Regulated Switching Table-Top – Single Output												★ Web Code: DDZ		
1940299	Mean Well 	GS18B05-P1J	+5/3.0	2.1mm x 5.5mm F 2	100-240@50-60	18	Yes	3.1 x 2.1 x 1.3	4'/ ¹	0.5	UL/CSA/TUV/CEC	\$16.95	\$15.95	\$14.95
2158291	Mean Well 	GS25B05-P1MU	+5/4.0	2.5mm x 5.5mm F 2	90-264@47-63	20	Yes	3.1 x 2.1 x 1.3	6'/6"	0.5	UL/CUL/TUV/CE	19.95	18.95	17.49
195806	ReliaPro 	DCR920F12	+9/2.0	2.1mm x 5.5mm F 2	100-240@50-60	18	Yes	4.2 x 2.6 x 1.4	6'/6"	0.9	UL/CUL/TUV/CE	19.95	18.95	17.95
1940310	Mean Well 	GS18B09-P1J	+9/2.0	2.1mm x 5.5mm F 2	90-264@47-63	18	Yes	3.1 x 2.1 x 1.3	6'/ ¹	0.5	UL/CUL/TUV/CE	14.95	13.95	12.95
2144892	CUI Inc 	EPA-121DA-12	+12/1.0	2.1mm x 5.5mm F 2	100-240@50-60	12	No	3.0 x 1.9 x 1.1	6'/ ¹	0.2	UL/CUL/CE	11.95	10.95	9.95
2135574	CUI Inc 	EPA-121DA-12	+12/1.0	2.5mm x 5.5mm F 2	100-240@50-60	12	No	3.0 x 1.9 x 1.1	6'/ ¹	0.2	UL/CUL/CE	11.95	10.95	9.95
1950905	APS	AD715U-1121	+12/1.2	2.5mm x 5.5mm F 2	100-240@50-60	15	No	3.7 x 2.1 x 1.3	6'/ ¹	0.5	UL/CUL/TUV/CE	11.95	10.95	9.95
191353	Delta	ADP-15FB	+12/1.25	2.1mm x 5.5mm F 2	100-240@50-60	15	No	3.5 x 2.3 x 1.2	6'/ ¹	0.5	UL/CE	9.95	8.95	7.95
2150977	Fairway	VE15B-120	+12/1.5	2.1mm x 5.5mm F 2 [†]	100-240@50-60	18	No	3.3 x 2.2 x 1.0	6'/ ¹	0.4	UL/CUL/TUV/CE	14.95	13.49	12.49
1940328	Mean Well 	GS18B12-P1JT	+12/1.5	2.1mm x 5.5mm F 2	100-240@50-60	18	No	3.1 x 2.1 x 1.3	6'/6"	0.5	UL/CSA/CEC	17.95	16.49	15.49
2155321	ReliaPro 	PA1045-120T2B375-APF02	+12/3.75	2.1mm x 5.5mm F 2	90-264@50-60	45	Yes	4.3 x 2.1 x 1.2	6'/ ¹	0.5	UL/CUL/TUV/CE	24.95	22.49	19.95
2155330	ReliaPro 	PA1045-120T2B375-APF04	+12/3.75	2.5mm x 5.5mm F 2	90-264@50-60	45	Yes	4.3 x 2.1 x 1.2	6'/ ¹	0.5	UL/CUL/TUV/CE	24.95	22.49	19.95
1940521	Mean Well 	GS25B15-P1J	+15/1.66	2.1mm x 5.5mm F 2	100-240@50-60	25	No	3.1 x 2.1 x 1.3	6'/ ¹	0.5	UL/CSA/CEC	18.95	16.95	14.95
1940547	Mean Well 	GS25B24-P1J	+24/1.04	2.1mm x 5.5mm F 2	100-240@50-60	25	Yes	3.1 x 2.1 x 1.3	6'/ ¹	0.5	UL/CSA/TUV/CE/CEC	16.49	14.95	13.49
221613	Mean Well 	P30B-6P2JT	+24/1.12	2.1mm x 5.5mm F 2	100-240@50-60	27	Yes	4.3 x 2.6 x 1.4	6'/6"	0.8	UL/CUL/TUV/CE	24.95	23.95	21.49
1940230	EDAC Inc 	EA1030D2	+24/1.25	2.1mm x 5.5mm F 2	100-240@50-60	30	Yes	3.9 x 1.8 x 1.2	4'/ ¹	0.5	UL/CUL/TUV/CE	19.95	17.95	15.95
229843	Phihong 	PSAA60W-240	+24/2.5	2.1mm x 5.5mm F 2	100-240@47-63	60	No	5.1 x 2.4 x 1.3	4'/ ¹	0.5	UL/CSA/CEC	39.95	36.95	33.95
2158021	Phihong 	PSAC60W-240-R	+24/2.5	2.1mm x 5.5mm F 2	100-240@50-60	60	No	5.1 x 2.4 x 1.3	4'/ ¹	0.5	UL/CUL/CEC	39.95	36.95	33.95
1707075	Mean Well 	ES18B28-P1J	+28/0.64	2.1mm x 5.5mm F 2	100-240@50-60	18	Yes	3.1 x 2.1 x 1.3	6'/ ¹	0.5	UL/CUL/TUV/CE	6.95	5.95	4.95
1707139	Mean Well 	ES25B48-P1J	+48/0.52	2.1mm x 5.5mm F 2	100-240@50-60	25	Yes	3.1 x 2.1 x 1.3	6'/ ¹	0.4	UL/CUL/TUV/CE	19.95	17.95	15.95
2-Wire AC Input – Regulated Switching Table-Top – Triple Output												★ Web Code: TTO		
196138	DVE	DSA-0283A	+5/1.1, +12/1.49 -5/0.43	5-pin DIN M	100-240@47-63	23	No	4.9 x 2.7 x 1.5	6'/ ¹	0.8	UL/CSA/TUV	\$3.95	\$3.59	\$3.25
3-Wire AC Input – Regulated Linear Table-Top – Double & Quad Output												★ Web Code: CEM		
689661	Regal	R1JG-5500	+5/1.1; -5/0.5	5-pin DIN M	120@60	30	No	5.1 x 3.6 x 2.8	6'/6"	2.7	UL	\$9.95	\$8.95	\$7.95
689653	Regal	RJM-551228	+5/0.9; -5/0.2; +12/6.2; -28/1.6	6-pin DIN M	120@60	55	No	5.1 x 3.6 x 2.8	6'/6"	1.3	CUL	10.95	9.49	7.95
3-Wire AC Input – Regulated Switching Table-Top – Single Output												★ Web Code: DDZ		
1928863	DVE	DSA0210D-03	+3.3/4.0	2.5mm x 5.5mm F 2	100-240@50-60	13	No	3.9 x 2.0 x 1.4	4'/ ²	0.5	UL/CUL/TUV/CE	\$12.95	\$10.95	\$9.49
2115549	ReliaPro	217-03814	+5/0.5	2.1mm x 5.5mm F 2	100-240@50-60	2.5	No	3.1 x 2.0 x 1.2	6'/ ²	0.4	UL/CSA	4.95	3.95	3.49
308700	ReliaPro	ZD0001F	+5/1.0	2.1mm x 5.5mm F 2 [†]	100-240@50-60	5	No	4.2 x 2.0 x 1.6	6'/ ²	0.4	UL/CUL/TUV/CE	6.95	5.95	4.95
309876	ReliaPro	GI12-US0520	+5/2.0	2.1mm x 5.5mm F 2	100-240@50-60	10	No	2.6 x 1.9 x 1.3	6'/ ²	0.4	UL/CUL/TUV/CE	9.95	8.95	7.95
196218	GlobTek	GT-21089-1305T3	+5/2.0	2.1mm x 5.5mm F 2	120-240@50-60	10	No	3.4 x 1.9 x 1.3	6'/ ²	0.4	UL/CUL/TUV/CE	15.95	14.49	12.95
1955642	Delta	ADP-105B	+5/2.0	2.1mm x 5.5mm F 2	100-240@50-60	10	No	3.3 x 1.9 x 1.2	6'/ ²	0.3	UL/CUL/CE	7.95	6.95	5.49
1954236	Mean Well 	GS15A-1P1J	+5/2.4	2.1mm x 5.5mm F 2	90-264@47-63	12	No	3.9 x 2.3 x 1.3	6'/ ²	0.4	UL/CUL/TUV/CEC	17.95	15.95	14.49
2115506	OEM	SYS1089-1305-T3	+5/2.6	2.1mm x 5.5mm F 2	100-240@50-60	13	No	3.4 x 1.8 x 1.3	6'/ ²	0.3	UL/CUL/CE	7.95	6.95	5.95

* See accessory table-top power cord chart on page 108 when AC cord needed; refer to 1, 2 or 3 in "Cord (DC/AC)" column above for correct power cord

† Right angle

✓ CEC Equivalent available. Add a "C" before part number for CEC version. ● CEC

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

AC-to-DC Regulated Switching Table-Top Power Supplies

AC-to-DC Regulated Switching Table-Top Power Supplies

We are happy to change the power plug on any listed table-top power supply to a connector of your choice (see pg 110) for just \$2.50 each. A 100 pc. minimum order applies.

Part No.	Manufacturer	Manufacturer Part No.	Output Volts (VDC)/ Current (A)	Output Connector ID x OD mm Female/Male; Polarity	Input VAC@Hz	Output Power (W)	LED Ind.	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing		
												1	5	25
3-Wire AC Input – Regulated Switching Table-Top – Single Output (Continued)												* Web Code: DDZ		
1940387	Mean Well	GS18A05-P1J	+5/3.0	2.1mm x 5.5mm F 2	100-240@50-60	15	Yes	3.7 x 2.1 x 1.4	4'/2	0.5	UL/CUL/TUV/CE/CEC	\$18.49	\$16.49	\$14.49
1940571	Mean Well	GS25A05-P1J	+5/4.0	2.1mm x 5.5mm F 2	100-240@50-60	20	Yes	3.7 x 2.1 x 1.4	4'/2	0.5	UL/CUL/TUV/CE/CEC	19.95	18.95	16.49
1952337	Mean Well	GS40A05-P1JU	+5/5.0	2.1mm x 5.5mm F 2	90-264@47-63	25	Yes	4.9 x 2.0 x 1.2	4'/2	0.7	UL/CSA/TUV/CEC	34.95	31.49	27.95
2135700	Condor	HK-D530-A05	+5/6.0	2.5mm x 5.5mm F 2	100-240@50-60	30	No	4.7 x 2.1 x 1.3	8'/2	0.5	UL/CUL/TUV/CE	29.95	26.95	22.95
320081	GlobTek	TR9CA6000LCP-Y	+5/6.0	2.5mm x 5.5mm F 2	100-240@50-60	30	Yes	4.7 x 2.4 x 1.3	6'/2	0.7	UL/CUL/TUV/CE	39.95	35.95	31.95
2144956	ReliaPro	GQ65-060330-EI	+6/3.3	2.1mm x 5.5mm F 2	100-240@50-60	20	No	3.6 x 2.0 x 1.3	6'/3	0.3	UL/TUV/CE	21.95	19.95	17.95
206529	Mean Well	GS40A07-P1J	+7.5/5.34	2.1mm x 5.5mm F 2	100-240@50-60	40	Yes	4.9 x 2.0 x 1.3	6'/6	1.5	UL/CUL/TUV/CE	24.95	22.95	19.49
1940408	Mean Well	GS18A09-P1JU	+9/2.0	2.1mm x 5.5mm F 2	100-240@50-60	18	Yes	3.7 x 2.1 x 1.4	6'/6	0.6	UL/CUL/TUV/CEC	18.49	16.49	14.49
1952361	Mean Well	GS60A09-P1J	+9/6.0	2.1mm x 5.5mm F 2	90-264@47-63	54	Yes	4.9 x 2.0 x 1.3	4'/2	0.7	UL/CUL/TUV/CEC	28.95	26.95	24.95
1955651	ELPAC	W0812	+12/0.67	2.5mm x 5.5mm F 2	100-240@47-63	8	No	3.3 x 1.9 x 1.2	6'/6	0.8	UL/CUL/TUV/CE	8.95	7.95	6.95
2150782	ReliaPro	GQ65-120100EI	+12/1.0	2.1mm x 5.5mm F 2	100-240@50-60	12	No	3.6 x 1.9 x 1.3	6'/2	0.3	TUV(US)/TUV/CE	14.95	13.95	12.49
1954244	Mean Well	GS15A-3P1J	+12/1.25	2.1mm x 5.5mm F 2	90-264@47-63	15	No	3.9 x 2.3 x 1.3	6'/2	0.4	UL/CUL/TUV/CEC	17.95	15.95	14.49
2150993	DVE	DSA-0151D-12	+12/1.5	2.1mm x 5.5mm F 2†	100-240@47-63	18	No	3.9 x 2.0 x 1.3	6'/2	0.5	UL/CSA/TUV/CE	11.95	10.95	9.95
2135558	Joden	JSE-02512-9	+12/1.5	2.1mm x 5.5mm F 2	100-240@50-60	18	No	3.4 x 2.2 x 1.3	6'/2	0.5	UL/CUL/TUV	11.95	10.95	9.95
1940416	Mean Well	GS18A12-P1JU	+12/1.5	2.1mm x 5.5mm F 2	100-240@50-60	18	Yes	3.7 x 2.1 x 1.4	6'/6	0.5	UL/CUL/TUV/CEC	18.49	16.49	14.49
2135507	SPC Technology	SA121A6F-11	+12/1.6	2.1mm x 5.5mm F 2	100-250@47-63	19	No	3.2 x 2.2 x 1.9	6'/2	0.2	UL/CUL/TUV/CE	13.95	12.49	10.95
2135515	SPC Technology	SA122A0U-11	+12/2.0	2.1mm x 5.5mm F 2	100-250@47-63	24	No	3.2 x 2.2 x 1.9	6'/2	0.2	UL/CUL/TUV	14.95	13.49	11.95
2099868	DVE	DSA-0421S	+12/2.0	2.1mm x 5.5mm F 2	100-240@50-60	24	Yes	3.7 x 2.2 x 1.3	6'/6	0.4	UL/CUL/TUV/CE	14.95	13.49	11.95
2155364	DVE	DSA-0421-12	+12/2.0	2.5mm x 5.5mm F 2	100-240@50-60	24	Yes	3.7 x 2.2 x 1.3	6'/6	0.4	UL/CUL/TUV/CE	17.95	15.95	13.95
2138960	Potrans	UP02511120	+12/2.0	2.5mm x 5.5mm F 2	100-240@50-60	24	No	4.4 x 2.8 x 1.4	4'/2	0.6	UL/CSA/CE	19.95	17.95	15.95
1940601	Mean Well	GS25A12-P1JU	+12/2.08	2.1mm x 5.5mm F 2	100-240@50-60	25	Yes	3.7 x 2.1 x 1.4	4'/6	0.5	UL/CUL/TUV/CEC	18.95	16.95	14.95
2154978	ReliaPro	GQ65120250-E1	+12/2.5	2.5mm x 5.5mm F 2	100-240@50-60	30	No	3.6 x 1.9 x 1.3	6'/2	0.5	UL/CUL/CEC	19.95	17.95	15.95
2129158	Sparkle Power	AD040DGAA1-J21	+12/3.33	2.1mm x 5.5mm F 2	100-240@50-60	40	Yes	4.3 x 2.0 x 1.2	5'/2	0.5	UL/CUL/TUV/CE	20.95	18.95	16.95
155214	Mean Well	P40A-3P2JU	+12/3.33	2.1mm x 5.5mm F 2	100-240@50-60	40	Yes	4.3 x 2.6 x 1.4	6'/6	0.7	UL/CUL/TUV	34.95	32.95	29.95
1952345	Mean Well	GS40A12-P1J	+12/3.34	2.1mm x 5.5mm F 2	90-264@47-63	40	Yes	4.9 x 2.0 x 1.3	4'/2	0.7	UL/CUL/TUV/CEC	22.95	20.95	18.95
2079357	Mean Well	GS40A12-P1M	+12/3.34	2.5mm x 5.5mm F 2	90-264@47-63	40	Yes	4.9 x 2.0 x 1.3	4'/2	0.7	UL/CUL/TUV/CEC	22.95	20.95	18.95
2146151	Seasonic	SSA-0401D-12	+12/3.4	2.5mm x 5.5mm F 2	90-264@47-63	40	Yes	4.5 x 1.9 x 1.4	3.3'/2	0.6	CUL/TUV/CB/CE/CEC	20.95	18.95	16.95
1940264	EDAC, Inc.	EA1050E	+12/3.5	2.1mm x 5.5mm F 2	100-240@50-60	42	Yes	4.7 x 2.4 x 1.4	4'/2	0.6	UL/CUL/TUV/CE	20.95	18.95	16.95
1940272	ReliaPro	GQ65-120416-EI	+12/4.16	2.1mm x 5.5mm F 2	100-240@50-60	50	Yes	4.5 x 1.9 x 1.4	4'/2	0.6	TUV(US)/CE	26.95	24.95	22.95
2100216	ReliaPro	BPA-501-12	+12/4.2	2.5mm x 5.5mm F 2	100-240@50-60	50	Yes	6.5 x 2.8 x 1.8	5'/2	0.7	UL/CSA/TUV	19.95	17.95	16.49
1952370	Mean Well	GS60A12-P1J	+12/5.0	2.1mm x 5.5mm F 2	90-264@47-63	60	Yes	4.9 x 1.9 x 1.2	4'/2	0.7	UL/CUL/TUV/CEC	24.95	22.49	19.95
2129166	Sparkle Power	FSP060-DBAB1	+12/5.0	2.1mm x 5.5mm F 2	100-240@50-60	60	Yes	4.3 x 2.4 x 1.2	5'/2	0.5	UL/CUL/TUV/CE	22.95	20.95	18.95
2099420	Sparkle Power	FSP060-DBAB1	+12/5.0	2.5mm x 5.5mm F 2†	100-240@50-60	60	Yes	4.3 x 2.4 x 1.2	5'/2	0.5	UL/CUL/TUV/CEC	27.95	24.95	22.95
2078291	Mean Well	GS90A12-P1M	+12/6.67	2.5mm x 5.5mm F 2	100-240@50-60	80	Yes	5.7 x 2.3 x 1.3	4'/2	0.9	UL/CUL/TUV/CEC	44.49	41.49	38.95
2129617	Lishen	Q219B1280	+12/6.67	4-pin DIN M	100-240@50-60	80	Yes	5.9 x 2.3 x 1.3	6'/2	1.0	UL/CUL/TUV	29.95	26.95	22.95
2146185	Seasonic	SSA-0901-12	+12/6.67	2.5mm x 5.5mm F 2	90-264@47-63	80	Yes	5.4 x 2.2 x 1.3	3.3'/2	1.0	CUL/TUV/CB/CE/CEC	41.95	38.95	36.95
221429	Mean Well	U6S5105-P2JU	+12/6.7	2.1mm x 5.5mm F 2	100-240@50-60	80	Yes	6.6 x 3.1 x 1.8	6'/6	2.0	UL/CUL/TUV/CE	41.95	38.95	35.95
2129211	Mean Well	GS120A12-R7B	+12/8.5	4-pin DIN M plug	85-264@47-63	102	Yes	6.6 x 2.6 x 1.4	4'/2	1.4	UL/CUL/TUV/CE	69.95	64.95	58.49
2099294	Mean Well	GS220A12-R7B	+12/15	4-pin DIN M	90-264/127-370@47-63	180	Yes	8.3 x 3.4 x 1.8	3.3'/2	2.4	UL/CUL/TUV/CE/PFC	109.95	97.95	89.95
2139006	ENG Electric	3G-301DN13	+13.5/2.2	4-pin Molex	100-240@50-60	30	No	4.6 x 1.9 x 1.2	2'6"/5'	0.8	UL/CUL	14.95	13.49	11.95
1940432	Mean Well	GS18A15-P1JU	+15/1.2	2.1mm x 5.5mm F 2	100-240@50-60	18	Yes	3.7 x 2.1 x 1.4	6'/6	0.5	UL/CUL/TUV/CEC	18.49	16.49	14.49
1940619	Mean Well	GS25A15-P1J	+15/1.66	2.1mm x 5.5mm F 2	100-240@50-60	25	No	3.7 x 2.1 x 1.4	6'/2	0.5	UL/CUL/TUV/CEC	16.49	14.95	13.49
243012	Mean Well	P30A-4P2JU	+15/1.8	2.1mm x 5.5mm F 2	100-240@50-60	27	Yes	4.2 x 2.6 x 1.4	6'/6	0.8	UL/CUL/TUV/CE	19.95	17.95	15.95
221577	Mean Well	GS40A15-P1J	+15/2.67	2.1mm x 5.5mm F 2	90-264@50-60	40	Yes	4.9 x 2.0 x 1.3	6'/2	0.8	UL/CUL/TUV/CE/CEC	25.95	24.49	22.95
1954295	Mean Well	GS60A15-P1J	+15/4.0	2.1mm x 5.5mm F 2	90-264@47-63	60	Yes	4.9 x 2.0 x 1.2	4'/2	0.7	UL/CUL/TUV/CE	28.95	26.95	24.95
2078320	Mean Well	GS90A15-P1M	+15/6.0	2.5mm x 5.5mm F 2	100-240@50-60	90	Yes	5.7 x 2.3 x 1.3	3'3"/2	0.8	UL/CUL/TUV/CEC	44.49	41.49	38.95
2145107	SYN Electronics	SY-1097-4018	+18/2.2	2.1mm x 5.5mm F 2	100-240@47-63	40	Yes	4.7 x 2.4 x 1.3	4'/2	0.7	UL/TUV/CE	19.95	17.95	16.49
2126117	ReliaPro	AI-36SG18-V2.1	+18/2.2	2.1mm x 5.5mm F 2	90-264@47-63	40	No	3.4 x 2.0 x 1.3	6'/2	0.5	UL/CUL/TUV/CE	21.95	19.49	16.95
2154951	Mean Well	GS60A18-P1JU	+18/3.33	2.1mm x 5.5mm F 2	90-264@50-60	60	Yes	4.9 x 2.0 x 1.2	6'/6	0.8	UL/CUL/TUV/CE	39.95	35.95	32.49
2099411	Sparkle Power	FSP090-DMCBI	+19/4.74	7 R/A plugs F 2††	100-240@50-60	90	No	5.3 x 2.3 x 1.3	6'/5	0.7	UL/CUL/TUV/CEC	44.95	39.95	34.95
2099761	Hi-Capacity	AC-C10K	+19/6.0	2.5mm x 5.5mm F 2	100-240@50-60	120	Yes	6.6 x 2.4 x 1.5	4'/6	1.0	UL/CUL/TUV/CE	44.95	39.95	34.95
1940459	Mean Well	GS18A24-P1J	+24/0.75	2.1mm x 5.5mm F 2	100-240@50-60	18	Yes	3.7 x 2.1 x 1.4	6'/2	0.5	UL/CUL/TUV/CEC	15.95	14.49	13.49
1940635	Mean Well	GS25A24-P1JU	+24/1.04	2.1mm x 5.5mm F 2	100-240@50-60	25	No	3.7 x 2.1 x 1.4	6'/6	0.5	UL/CUL/TUV/CEC	18.95	16.95	14.95
380577	Mean Well	ES25A24-P1MU	+24/1.04	2.5mm x 5.5mm F 2	100-240@50-60	25	Yes	3.7 x 2.1 x 1.4	6'/6	0.6	UL/CSA/TUV/CE	19.95	17.95	15.95
2135494	SPC Technology	SB-241A5F-11	+24/1.5	2.1mm x 5.5mm F 2	100-250@47-63	36	No	4.7 x 2.4 x 1.4	6'/2	0.8	UL/CUL/TUV/CE	17.95	15.95	13.49

* See accessory table-top power cord chart on page 108 when AC cord needed; refer to 1, 2 or 3 in "Cord (DC/AC)" column above for correct power cord † Right angle

†† Includes 7 DC right angle plugs (1.7 x 4.75, 1.7 x 5.5, 2.1 x 5.5, 2.5 x 5.5, 3.0 x 6.3, 4.3 x 6.5, 5.8mm x 6.5mm) for various notebook compatibility

✓ CEC Equivalent available. Add a "C" before part number for CEC version. ✓ CEC

3-Wire Regulated Table-Top Power Supplies continued on next page

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

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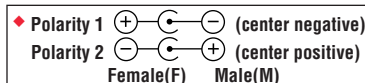
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AC-to-DC Regulated Switching Table-Top Power Supplies (Continued)

We are happy to change the power plug on any listed table-top power supply to a connector of your choice (see pg 110) for just \$2.50 each. A 100 pc. minimum order applies.

See page 113 for
International Power Cords



243012



Female (F)

2099420



Male (M)

2099286



DIN (M)

2138880



Part No.	Manufacturer	Manufacturer Part No.	Output Volts (VDC)/ Current (A)	Output Connector ID x OD mm Female/Male; Polarity	Input VAC@Hz	Output Power (W)	LED Ind.	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing		
												1	5	25
3-Wire AC Input – Regulated Switching Table-Top – Single Output (Continued)												★ Web Code: DDZ		
1952353	Mean Well	GS40A24-P1J	+24/1.67	2.1mm x 5.5mm F 2	90-264@47-63	40	Yes	4.9 x 2.0 x 1.2	6'/2	0.7	UL/CUL/TUV/CEC	\$27.95	\$25.49	\$22.95
1537256	ReliaPro	OH-1048A2401700U-U	+24/1.7	2.5mm x 5.5mm F 2	90-264@47-63	40	Yes	4.5 x 2.0 x 1.3	6'/2	0.5	UL/CUL/CE	24.95	22.49	19.95
1940281	EDAC, Inc.	EA1050D	+24/2.08	2.1mm x 5.5mm F 2	100-240@50-60	50	Yes	4.7 x 2.1 x 1.3	4'/2	0.6	UL/CUL/TUV/CEC	24.95	22.49	19.95
1942788	EDAC, Inc.	EA1050B240	+24/2.5	2.1mm x 5.5mm F 2	100-240@50-60	60	Yes	4.8 x 2.4 x 1.4	6'/2	1.8	UL/CUL/TUV/CE/CEC	24.95	22.49	19.95
1952214	Mean Well	GS60A24-P1J	+24/2.5	2.1mm x 5.5mm F 2	90-264@47-63	60	Yes	4.9 x 2.0 x 1.3	6'/2	0.7	UL/CUL/TUV/CEC	28.95	26.95	24.95
1950913	EDAC, Inc.	EA1050B-240-1	+24/2.5	2.5mm x 5.5mm F 2	100-240@50-60	60	Yes	4.8 x 2.4 x 1.4	6'/2	1.8	UL/CUL/TUV/CE	24.95	22.49	19.95
2078338	Mean Well	GS90A24-P1M	+24/3.75	2.5mm x 5.5mm F 2	100-240@50-60	90	No	5.9 x 2.3 x 1.2	4'/2	0.9	UL/CUL/TUV/CEC	44.49	41.49	38.95
2135208	Mean Well	GS120A24-P1M	+24/5.00	2.5mm x 5.5mm F 2	85-264@47-63	120	Yes	6.6 x 2.6 x 1.4	4'/2	1.4	UL/CUL/TUV/CB/CE	69.95	64.95	58.49
2099286	Mean Well	GS220A24-R7B	+24/9.2	4-pin DIN M	90-264@47-63	220	Yes	8.3 x 3.4 x 1.8	3.3'/2	2.4	UL/CUL/TUV/CE/PFC	109.95	97.95	89.95
1940643	Mean Well	GS25A28-P1JU	+28/0.89	2.1mm x 5.5mm F 2	100-240@50-60	25	No	3.7 x 2.1 x 1.4	6'/6	0.7	UL/CUL/TUV/CEC	18.95	16.95	14.95
1940475	Mean Well	GS18A48-P1J	+48/0.37	2.1mm x 5.5mm F 2	100-240@50-60	18	No	3.6 x 2.1 x 1.4	6'/6	0.5	UL/CUL/TUV/CEC	14.95	13.95	12.49
1940651	Mean Well	GS25A48-P1J	+48/0.52	2.1mm x 5.5mm F 2	100-240@50-60	25	No	3.7 x 2.1 x 1.4	6'/2	0.5	UL/CUL/TUV/CEC	14.95	13.49	12.95
229032	Phihong	PSA31U-480	+48/0.63	2.1mm x 5.5mm F 2	90-264@47-63	30	No	4.5 x 2.4 x 1.6	6'/2	0.5	UL/CUL/TUV/CE	17.95	16.95	15.95
172065	Mean Well	SPU50-9U	+48/1.25	2.1mm x 5.5mm F 2	100-240@50-60	60	Yes	5.6 x 2.9 x 1.7	6'/6	1.3	UL/CSA/TUV	22.95	21.49	19.95
1952396	Mean Well	GS60A48-P1JU	+48/1.25	2.1mm x 5.5mm F 2	90-264@47-63	60	Yes	4.9 x 2.0 x 1.2	6'/6	0.7	UL/CUL/TUV/CE/CEC	28.95	26.95	24.95
3-Wire AC Input – Regulated Switching Table-Top – Double & Triple Output												★ Web Code: TDO		
196270	Horizon	PSU25A13	+5/2.5, +12/1.0	4-pin mini DIN M	100-240@47-63	25	No	4.2 x 2.6 x 1.4	6'/4	1.2	UL/CUL/TUV/CE	\$34.95	\$31.49	\$28.95
2138880	XP Power	AEH45UM23	+5/5.0, +12/2.0	5-pin DIN M	100-240@47-63	42	Yes	5.7 x 3.0 x 1.7	4'/2	1.3	UL/CUL/TUV/CE	24.95	22.95	19.95
221720	Mean Well	P25A14E-R1BU	+5/2.5, +15/0.3 -15/0.3	5-pin DIN M	100-240@50-60	25	Yes	4.3 x 2.6 x 1.4	6'/6	0.8	UL/CUL/TUV/CE	34.95	31.49	28.95
190960	Mean Well	P25A13D-R1B	+5/2.5, +12/0.8 -12/0.3	5-pin DIN M	100-240@50-60	26	Yes	4.1 x 2.6 x 1.4	6'/2	1.1	CUL/TUV/CE	39.95	35.95	32.95
221702	Mean Well	P50A13D-R1BU	+5/4.0, +12/2.0 -12/0.5	5-pin DIN M	100-240@50-60	50	Yes	5.7 x 3.0 x 1.7	4'/6	1.5	UL/CUL/TUV/CE	49.95	44.95	39.95
237367	Mean Well	P50A14E-R1B	+5/3.5, +15/1.2 -15/0.3	5-pin DIN M	100-240@47-63	42	Yes	5.8 x 3.0 x 1.7	4'/2	1.2	UL/CUL/TUV/CE	49.95	44.95	39.95

* See accessory table-top power cord chart below when AC cord needed; refer to 1, 2 or 3 in "Cord (DC/AC)" column above for correct power cord ◆ CEC



Accessory Power Input Cords for Table-Top Power Supplies

*Web Code: UBF



Part No.	Ref. No. *	Description	Color	AWG	Certification	Cord Length	Wt. (lbs.)	Cord Type	1	10	50	250
189587	1	2-conductor power cord (Figure 8 style)	Black	18/2	UL/CSA	6'	0.3	SPT	\$2.95	\$2.69	\$2.39	\$2.19
38050	2	3-conductor power cord	Black	18/3	UL/CSA	6'	0.4	SVT	4.95	4.49	3.95	3.59
1953559	3	3-conductor flat power cord (Mickey Mouse™ style)	Black	18/3	UL/CSA	6'	0.4	SPT-2	1.75	1.59	1.25	.95
1951123	3	3-conductor round power cord (Mickey Mouse™ style)	Black	18/3	UL/CSA	6'	0.4	SVT	4.95	4.49	3.95	3.49

* These reference numbers for "AC cord needed" for Table-Top Power Supplies on pages 106-108

More Power Cords on page 114

24-Watt Switching Table-Top Power Supply

Interchangeable AC & DC Plugs with Selected DC Outputs

- Input voltage: 100-240VAC @ 50-60Hz
- Output current: 2A
- Output connectors: 2.5mm & 3.5mm male, 1mm x 3mm, 2.1mm x 5mm, 2.5mm x 5mm, 1.35mm x 3.5mm & 1.7mm x 4mm
- Interchangeable AC input plugs for USA/UK/Europe/Taiwan/China (included)
- Selectable outputs: 3VDC, 4.5VDC, 6VDC, 7.5VDC, 9VDC, 12VDC



Part No.	Mfr. Part No.	Size (L x W x H)	1	5	25
1537491	PSSMV3	4.7" x 3.3" x 2.5"	\$39.95	\$35.95	\$32.95

30-Watt Switching Table-Top Power Supply

- Output voltage: 5VDC to 12VDC in 1V increments
- Output connectors: 2.5mm & 3.5mm male, 1mm x 3mm, 1.35mm x 3.5mm, 1.5mm x 5mm, 1.7mm x 4mm, 2.1mm x 5mm & 2.5mm x 5mm
- Stabilized outputs, low ripple & interference
- High efficiency, low energy consumption
- Input voltage: 100-240VAC @ 50/60Hz
- Short-circuit, overload protection
- LED power indicator



Includes: AC power cord

Part No.	Mfr. Part No.	Output Current	Size (L x W x H)	1	10	25
2158354	PSSMV7U	1.5A to 4A	3.5" x 1.8" x 1.2"	\$39.95	\$34.95	\$29.95

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

GlobTek®

AC-to-DC Medical Table-Top Regulated Switching Power Supplies

★ Web Code: WBM

- 2.5mm x 5.5mm female center positive
- Input voltage: 90-264VAC @ 47-63Hz
- Leakage current: 0.1mA max.
- Regulation (line & load): ±5%
- Isolation voltage: 4,000VAC
- Ripple & noise: 1% or 100mV, whichever is smaller
- Cord lengths: DC: 6'; AC: not included use P/N 115078, pg 114
- Size: 2.9"L x 2.0"W x 1.6"H



Part No.	Mfr. Part No.	Power (W)	Output VDC/Amps	Pricing		
				1	5	25
230683	TR9CE1250CP	15.6	+12/1.3	\$34.95	\$29.95	\$24.95
230763	TR9CE4000LCP	49.2	+12/4.1	54.95	49.95	45.95
230798	TR9CI2100LCP	50.4	+24/2.1	59.95	53.95	47.95

★ Interchangeable Power Supplies, Adapters and Tips — Enter Web Code NBH

5VDC@0.5A Interchangeable Wall Plug Adapter With USB Socket Type A

- Voltage output: 5VDC @ 0.5A
- Efficiency: 55% (typical)
- Voltage input: 90-264VAC @ 47-63Hz
- Leakage current: 0.20µA max.
- UL/CUL/TUV/CE approved
- Wall plug clips not included; use P/N 229181, pg 103
- Use interchangeable tips P/N 2081625 (right)
- Size: 2.97"L x 1.81"W x 1.25"H

Part No.	Product No.	1	10	50	100
662805	PSC30R-050	\$8.95	\$7.95	\$6.95	\$5.95

5VDC @ 200mA Wall Adapter

- Works with digital camera, cell phones, PDA, MP3 and other USB devices
- TUV/FCC approved
- Output voltage: 5VDC @ 200mA
- Input voltage: 100-240VAC @ 50/60Hz
- Size: 2.5"H x 1.5"W x 0.8"D
- Cable and tips use P/N 2081625

Part No.	Mfr. Part No.	1	10	50	100
2138636	SW013US-0500020US	\$3.95	\$3.49	\$2.95	\$2.59

90-Watt Universal Desktop Power Supply

Interchangeable output connectors for different devices.

- Input voltage: 100-240VAC @ 50-60Hz
- Output voltage: 5V @ 1A (USB), 5-24V @ 6A max.
- Output power cord has a 6-pin mini DIN female, 5'2" long
- Input power cord length: 4'6"
- Output cord has LCD display to indicate output voltage
- For USB power cable use P/N 2081625

Includes: 3-prong mickey mouse type AC power cord, 8 output connectors (1.7mm x 4.8mm, 3mm x 6.3mm, 2.1mm x 5.5mm, (2) 2.5mm x 5.5mm, 3mm x 5.5mm, (2) 4.3mm x 6mm)

Part No.	Product No.	Size (L x W x H)	1	10	50
2145166	LS-PAB90AL	47.9" x 2.3" x 1.1"	\$39.95	\$35.95	\$32.95

Male & Female Power Jacks

Part No.	Mfr.	Product No.	Description	Dimensions H x W x D (mm)	Type/ Mount	Circuit/ Terminal	Mating Plug (see right)	★ Web Code: BAM		
								1	10	100
101194	ValuePro	PP024	1.3mm male	6.0 x 6.0 x 9.0	1/D	1/B	1.3 mm F	\$5.99	\$5.55	\$4.45
101178	ValuePro	PP014	2.1mm male	10.9 x 9.0 x 14.5	2/D	1/A	2.1 mm F	.39	.35	.29
101179	ValuePro	PP014	2.1mm male	10.9 x 9.0 x 14.5	2/D	1/A	2.1 mm F	.45	.39	.35
137673	ValuePro	PP013	2.1mm male	10.9 x 9.0 x 14.5	3/D	4/A	2.1 mm F	.45	.39	.35
151590	ValuePro	DPJ-021A	2.1mm male	18.0 x 12.6 Dia.	4/C†	1/A	2.1 mm F	.89	.79	.69
151555	ValuePro	DPJ-026	2.1mm male	21.0 x 8.0 Dia.	5/E	1/A	2.1 mm F	1.49	1.35	1.19
159611	ValuePro	PJ1014A	2.1mm male	57.5 x 12.6 Dia.	6/F	3/A	2.1 mm F	1.75	1.59	1.39
281851	Switchcraft	722A	2.1mm male	15.1 x 7.5 Dia.	7/C	1/A	2.1 mm F	2.75	2.49	2.25
2151136	ValuePro	HD2388C	2.1mm male	12.4 x 7.7 Dia.	8/C*	3/A	2.1 mm F	1.19	.99	.89
2144690	ValuePro	L5225	2.1 mm male	11.0 x 9.1 x 14.7	14/D	1/A	2.1 mm F	.35	.29	.19
207714	ValuePro	HEC0470	2.5 mm male	11.0 x 9.0 x 14.5	2/D	1/B	2.5 mm F	.55	.49	.39
101186	ValuePro	PP014A	2.5 mm male	11.0 x 9.0 x 14.5	2/D	1/A	2.5 mm F	.49	.45	.29
101187	ValuePro	PP014A	2.5 mm male	11.0 x 9.0 x 14.5	2/D	1/A	2.5 mm F	.55	.49	.45
151563	ValuePro	DPJ-026A	2.5 mm male	15.1 x 8.0 Dia.	5/E	1/A	2.5 mm F	1.49	1.35	1.19
159506	ValuePro	PJ1015A	2.5 mm male	57.5 x 12.6 Dia.	6/F	3/A	2.5 mm F	1.49	1.35	1.19
202358	ValuePro	HD2388	2.5 mm male	12.4 x 7.7 Dia.	8/C*	3/A	2.5 mm F	1.19	.99	.89
281842	Switchcraft	712A	2.5 mm male	15.8 x 7.5 Dia.	7/C	1/A	2.5 mm F	4.95	4.49	3.95
297553	Switchcraft	PC712A	2.5 mm male	23.3 x 11.0 Dia.	9/D	1/A	2.5 mm F	4.95	4.49	3.95
297529	Switchcraft	L712A	2.5 mm male	23.3 x 11.0 Dia.	10/C	1/A	2.5 mm F	4.49	3.95	3.59
2144745	ValuePro	J25M	2.5 mm male	11.1 x 8.9 x 13.4	15/C	1/A	2.5 mm F	.55	.49	.39
101143	ValuePro	PJ0352	3.5 mm female	10.0 x 10.0 x 18.5	11/E	2/A	3.5 mm M	.49	.45	.39
109496	ValuePro	PJ035PM	3.5 mm female	10.5 x 9.0 x 20.0	12/C	2/A	3.5 mm M	.49	.45	.39
165730	ValuePro	PJ0354R	3.5 mm female	15.5 x 5.9 Dia.	13/C	3/A	3.5 mm M	.79	.69	.59

† Center offset * Plastic

USB-A Power Cable with Interchangeable Tips

- 4' cable • 26 AWG
- USB-A male connector • UL/CSA approved
- Tips: 1.3mm x 5.5mm female, 1.5mm x 4.8mm female, 1.7mm x 4.8mm female, 2.1mm x 5.5mm female, 2.5mm x 5.5mm female, 2.9mm x 6.3mm female, 1.3mm x 3.3mm female, and 1.3mm x 4.3mm female
- For use with P/N 662805 wall adapter (left)

Part No.	Product No.	1	10	50	250
2081625	USBAC8	\$5.95	\$4.95	\$4.49	\$3.95

Cigarette Lighter Car Power Adapter

- Switch selectable 1.5V, 3V, 4.5V, 5V, 6V, 9V and 12V
- DC power plugs: 2.5mm x 5mm, 2.1mm x 5mm, 1.5mm x 5mm, 1.7mm x 4mm, 1.3mm x 3.5mm and 0.7mm x 2.35mm
- Powers portable electronic devices such as MP3 players, cell phones, etc.
- Cord length: 5'
- Reversible plug for center positive or negative polarity
- Switching power supply provides 1000mA from cigarette lighter plug

Part No.	Mfr. Part No.	1	10	50	250
155230	JCD22A	\$5.95	\$4.95	\$4.49	\$3.95

Auto/Air Cigarette DC/DC Power Adapter

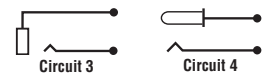
- Input voltage: 11VDC to 16VDC @ 10A max.
- Input connector: cigarette plug, fused (15A @ 250V)
- Output connector: interchangeable tips of 2.1mm F, 2.5mm F, 3.5mm M
- Input/output cord length: 42"/48"
- Color: black with LED power indicator

Part No.	Product No.	Size (L x W x H)	1	10	50	250
2099770	AA-5001G	4.7" x 2.0" x 1.0"	\$4.95	\$4.49	\$3.95	\$3.49

Terminals	Code
Solder eyelet	A
PC board	B



Mounting	Code
Panel	C
PCB	D
Panel & PCB	E
Cable	F



★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

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Power Plugs, Adapters & Jacks

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DC Power Plugs & Adapters

★ Web Code: MFP

Part No.	Mfr.	Product No.	Fig.	Description (Barrel) Plug ID x OD x L (mm)	Strain Relief ID x L (mm)	1	10	100
71192	ValuePro	PP137R	1	F plug, 1.3 x 3.5 x 9.5	4.1 x 12 (black)	\$.79	\$.69	\$.65
1537395	ValuePro	PL-005R	2	F plug, 1.3 x 3.5 x 9.4 (rt. angle)	2.8 x 11	\$.89	\$.79	\$.69
2098013	ValuePro	DCP-111R	1	F plug, 1.7 x 5.5 x 9.8	4.6 x 12 (black)	\$.89	\$.79	\$.69
191484	ValuePro	PP049W	1	F plug, 2.1 x 5.5 x 9.0	4.6 x 12.5 (white)	\$.79	\$.69	\$.65
2004890	ValuePro	PP049S	1	F plug, 2.1 x 5.5 x 9.5	4.5 x 12.5 (black)	\$.79	\$.69	\$.65
297617	Switchcraft	S760R	3	F plug, 2.1 x 5.5 x 9.5	5.5 x 25 (black)	3.95	3.49	2.95
28760	ValuePro	PP049R	1	F plug, 2.1 x 5.5 x 9.5 (P205)	4.1 x 12 (black)	\$.79	\$.69	\$.55
1245123	ValuePro	CS1021-A-12MMR	1	F plug, 2.1 x 5.5 x 12	4.3 x 12 (black)	\$.89	\$.79	\$.69
138587	ValuePro	PJ021	2	F plug, 2.1 x 5.5 x 12 (rt. angle)	2.8 x 11 (black)	\$.89	\$.79	\$.65
147329	ValuePro	PP049LR	1	F plug, 2.1 x 5.5 x 14 (P205L)	4.3 x 12 (black)	\$.89	\$.79	\$.65
190538	ValuePro	PP109SR	1	F plug, 2.5 x 5.5 x 9.5	4.7 x 13 (black)	\$.89	\$.79	\$.65
281877	Switchcraft	760R	3	F plug, 2.5 x 5.5 x 9.5	5.5 x 25 (black)	3.95	3.59	3.25
28768	ValuePro	PP109R	1	F plug, 2.5 x 5.5 x 9.5 (P206)	4.7 x 13 (black)	\$.89	\$.79	\$.65
2145115	ValuePro	CS1021-B-12MMR	1	F plug, 2.5 x 5.5 x 12	4.3 x 12 (black)	\$.89	\$.79	\$.69
147336	ValuePro	PP109LR	1	F plug, 2.5 x 5.5 x 14 (P206L)	4.2 x 12 (black)	\$.79	\$.69	\$.59
168242	ValuePro	PP109NR	3	F plug, 2.5 x 5.5 x 14	3.9 x 22 (black)	\$.69	\$.59	\$.55
2099163	ValuePro	PL-008R	2	F plug, 2.5 x 5.5 x 9.5 (rt. angle)	2.8 x 11	\$.95	\$.85	\$.75
101135	ValuePro	PJ1025	4	M plug, — x 2.5 x 11 (P201)	4.3 x 13 (black)	\$.69	\$.59	\$.49
231176	ValuePro	AP-340R	4	M plug, — x 3.5 x 14 (stereo)	4.3 x 13.5 (black)	\$.79	\$.69	\$.55
231167	ValuePro	AP-343	5	M plug, — x 3.5 x 14 (stereo)	4.4 x 13 (metal)	1.49	1.25	\$.99
231160	ValuePro	PJ1035R	5	M plug, — x 3.5 x 14 (mono)	4.8 x 13.5 (metal)	1.49	1.25	\$.99
101152	ValuePro	PJ1035LR	4	M plug, — x 3.5 x 14.5 (P202)	4.0 x 13 (black)	\$.69	\$.59	\$.49
2113703	ValuePro	JR1826R	6	Adapter, 2.1mm M to 1.7mm F (1.7"L)	—	1.49	1.35	\$.99
2112989	ValuePro	JP1828CR	6	Adapter, 2.1mm M to 1.3mm F (1.3"L)	—	1.59	1.45	1.09
1953591	ValuePro	DCJ2.1-DCP2.5R	6	Adapter, 2.1mm M to 2.5mm F (1.4"L)	—	1.59	1.45	1.09
2113009	ValuePro	JP1829R	6	Adapter, 2.5mm M to 1.3mm F (1.3"L)	—	1.29	1.19	\$.99
2113711	ValuePro	Jr1827R	6	Adapter, 2.5mm M to 1.7mm F (1.7"L)	—	1.19	1.09	\$.95
1953604	ValuePro	DCJ2.5-DCP2.1R	6	Adapter, 2.5mm M to 2.1mm F (1.4"L)	—	1.49	1.35	1.09

DC Cords with Pigtail – 6' length

Part No.	Mfr.	Cross Ref. No.	Fig.	Description (Barrel) ID x OD x L (mm)	AWG	1	10	100
2113674	ValuePro	DCCORD1.3R	7	Plug, 1.3 x 5.5 x 12	24 (black)	1.15	\$.99	\$.89
2114706	ValuePro	6FT#245.5X1.7R	7	Plug, 1.7 x 5.5 x 12	24 (black)	1.15	\$.99	\$.89
2114693	ValuePro	DCCORD1.7R	8	Jack, 1.7 x 5.5 x 12	24 (black)	1.15	\$.99	\$.89
2096763	ValuePro	DCCORD2.1R	7	Plug, 2.1 x 5.5 x 12	24 (black)	1.59	1.39	1.15
2114600	ValuePro	6FT#245.5X2.1R	8	Jack, 2.1 x 5.5 x 12	24 (black)	1.59	1.39	1.15
2096771	ValuePro	DCCORD2.5R	7	Plug, 2.5 x 5.5 x 12	24 (black)	1.59	1.39	1.15
2114597	ValuePro	6FT#245.5X2.5R	8	Jack, 2.5 x 5.5 x 12	24 (black)	1.59	1.39	1.15

DC Extension Power Cables

2099147	ValuePro	DCEXTCORD2.1-3FTR	9	2.1F x 2.1M x 3' cable	18 (black)	1.95	1.75	1.59
2099121	ValuePro	DCEXTCORD2.1-6FTR	9	2.1F x 2.1M x 6' cable	18 (black)	2.49	2.25	1.95
2099155	ValuePro	DCEXTCORD2.5-3FTR	9	2.5F x 2.5M x 3' cable	18 (black)	1.95	1.75	1.59
2099139	ValuePro	DCEXTCORD2.5-6FTR	9	2.5F x 2.5M x 6' cable	18 (black)	2.49	2.25	1.95



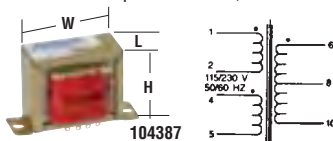
International Step-Up & Step-Down Transformers

★ Web Code: RAL

Part No.	Product No. *	Fig.	Type	Volt Step	Primary Voltage	Secondary Voltage	Power (VA)	Dimensions			Wt. (lbs.)	Pricing		
								H"	W"	D"		1	5	25
85008	GPC-1003R	2/A	Auto	Up	110VAC	220VAC	300	3.50	3.05	3.95	4.8	\$49.95	\$44.95	\$39.95
221331	GIS-500R	2/A	Isolation	—	115VAC	115VAC	500	4.69	3.75	6.00	16.0	89.95	79.95	69.95
221217	P8689	2/A	Auto	Up	115VAC	230VAC	1000	4.63	3.75	6.13	17.0	89.95	79.95	69.95
99573	GS50R	1/B	Auto	Down	220VAC	110VAC	50	2.50	1.63	1.33	0.7	9.95	8.95	7.95
85016	GPC1003	2/B	Auto	Down	220VAC	110VAC	300	3.50	3.05	3.95	4.8	49.95	44.95	39.95
111851	GPC1005	2/B	Auto	Down	220VAC	110VAC	500	3.99	3.60	4.84	8.5	69.95	62.95	56.95
222092	GISD-1000	2/A	Auto	Down	220VAC	110VAC	1000	5.38	4.38	8.13	31.0	74.95	65.95	59.95
142906	GPC1015	2/B	Auto	Down	220VAC	110VAC	1500	5.25	4.50	5.75	15.2	79.95	69.95	64.95

* Manufacturer may vary

- Input voltage: 115/230VAC, 50-60Hz
- Terminals: quick-connect, solder



Quick-Connect Power Transformers

★ Web Code: BAN

Part No.	Product No.	Triad Cross *	Input Voltage	Output Voltage	VA	Size of Connect	Dimensions			Wt. (lbs.)	Pricing		
							L"	W"	H"		1	5	25
104387	XFR1225Q	FD612	115/230VAC	12.6VCT @ 2.5A	31.5	0.187"	1.75	2.33	2.00	1.3	\$12.95	\$11.95	\$10.95
104409	XFR1635Q	FD716†	115/230VAC	16VCT @ 3.5A	56.0	0.141"	2.25	2.68	2.33	1.8	15.95	14.49	12.95
101864	XFR2424Q	FD724	115/230VAC	24VCT @ 2.4A	57.6	0.141"	2.10	2.70	2.29	1.7	12.95	11.49	9.95
104417	XFR3615Q	FD736	115/230VAC	36VCT @ 1.5A	54.0	0.141"	2.30	2.70	2.30	1.8	17.95	16.95	15.95

† Terminal solder lugs are on same side * Triad cross is for reference only

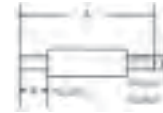


Fig. 1
Strain Relief



Fig. 2
Metal Strain Relief



Fig. 3
Hard Plastic Strain Relief



Fig. 4
Strain Relief



Fig. 5
Metal Strain Relief



Fig. 6

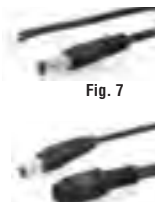


Fig. 7

Fig. 8

Fig. 9



Automobile Fused Power Plugs with Cords

- Accepts .25" x 1.25" fuse 115002
- 115002: Screw assembly with strain relief (no cord)
- 124760: 3' cord w/ pigtail 124760

Part No.	Mfr.	Fuse	1	10	100
115002	ValuePro	5A/250VACR	\$2.25	\$1.99	\$1.79
124760	ValuePro	3A/250VACR	2.49	2.25	1.99

We specialize in Wall Adapters. Call for additional OEM pricing.

We are happy to change any listed DC wall adapter power plug to a connector of your choice for just \$2.50 each. A 100 pc. minimum order applies.



Fig. 1

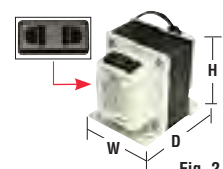


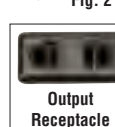
Fig. 2



Fig. A
Plug



Fig. B
Plug

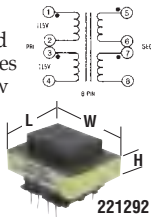


Output
Receptacle

JAMECO ValuePro

Non-concentrically wound w/ primaries & secondaries side-by-side providing low capacitive coupling.

- Primary: 115/230VAC, 50-60Hz
- PC terminal pin spacing for accurate placement



Split-Bobbin Power Transformers (2.5 to 12VA)

★ Web Code: LBK

Part No.	Product No.	Triad Cross *	Input Voltage	VA	Individual Output	Parallel Output	Series Output	Dimensions			Wt. (lbs.)	Pricing		
								L"	W"	H"		1	10	100
221292	DSW-312	FS12200	115/230	2.5	6.3V @ .20A	6.3V @ .40A	12.6VCT @ .20A	1.38	1.13	1.19	0.3	\$6.95	\$6.25	\$5.59
102593	XFR2405SB	FS24500	115/230	12	12V @ .50A	12V @ 1.0A	24VCT @ .50A	1.58	1.90	1.46	0.7	7.95	6.95	5.95

* Triad cross is for reference only

JAMECO ValuePro

Power Transformers (7.6 to 288VA)

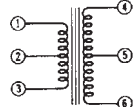
★ Web Code: JAM

Power transformers have both single and dual-voltage input and center-tapped outputs. This makes them the perfect choice for power supply design or for use in transformer, rectifier and filter circuits.

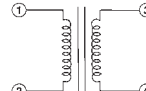
- Primary: 115VAC or 115/230VAC, 50-60Hz



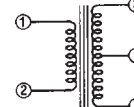
29226



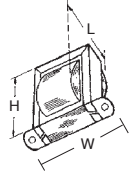
115/230VAC 50-60Hz
Fig. 1



115VAC 50-60Hz
Fig. 2



115VAC 50-60Hz
Fig. 3



Part No.	Product No.	Triad Cross#	Primary Color Code			VA	Secondary			Lead Type	Fig.	Dimensions			Wt. (lbs.)	Pricing			
							Voltage	Color Code				L"	W"	H"		1	10	100	
102163	XFR6102	F314X	Black	Yellow*	Red	7.6	6.3VCT @ 1.2A	White	Black*	White	Wire	1	1.84	2.40	1.67	0.8	\$10.95	\$9.95	\$8.95
105524	XR082-91-R	—	Black	White*	Red	9.0	9VCT @ 1A	Blue	Black*	Blue	Wire	1	1.82	2.43	1.67	0.7	10.95	9.95	8.95
221400	P-8657	F218X	Black	—	Black	24.0	12VAC @ 2A	White	—	White	Wire	2	1.89	2.75	1.99	1.3	10.95	9.95	8.95
221356	P-8658	F219X	Black	—	Black	48.0	12VAC @ 4A	White	—	White	Wire	2	2.25	4.00	2.63	2.3	12.95	11.95	10.95
29226	XFR122	F44X	Yellow	—	Yellow	25.2	12.6VCT @ 2A	Blue	Red*	Black	Wire	3	2.41	2.79	1.99	1.5	13.95	12.49	10.95
102155	XFR1220	F344X	Black	Yellow*	Red	25.2	12.6VCT @ 2A	White	Black*	White	Wire	1	2.35	2.32	1.97	1.5	13.95	12.49	10.95
149771	XFR1240	F3181U	Black	Red*	Yellow	50.4	12.6VCT @ 4A	White	Black*	White	Wire	1	2.45	3.20	2.25	2.2	14.95	13.49	10.95
102121	XFR124	F181U	Black	—	Black	50.4	12.6VCT @ 4A	White	Black*	White	Wire	3	2.45	3.21	2.26	2.7	14.95	13.49	10.95
105532	XFR1810	—	Blue	Red*	Black	18.0	18VCT @ 1A	Yellow	Black*	Yellow	Wire	1	2.20	2.81	1.99	1.2	9.95	8.95	7.95
149957	XFR1820	—	Black	Red*	Yellow	36.0	18VCT @ 2A	White	Black*	White	Wire	1	2.25	3.15	2.71	1.8	11.95	10.95	8.95
221382	P8396	—	Black	—	Black	9.6	24VCT @ 0.4A	White	Black*	White	Wire	3	1.63	2.80	1.97	0.6	8.95	7.95	6.95
102112	XFR2410	F346X	Black	Yellow*	Red	24.0	24VCT @ 1A	White	Black*	White	Wire	1	2.41	2.80	1.99	1.5	10.95	9.95	7.95
221373	P-8662	F192X	Black	—	Black	48.0	24VCT @ 2A	White	Black*	White	Wire	3	2.44	3.60	2.23	2.3	13.95	12.49	10.95
112513	XFR242N	F229X	Black	—	Black	48.0	24VAC @ 2A	White	—	White	Wire	2	2.33	3.16	2.28	1.8	13.95	12.49	10.95
221365	P-8663	F193U	—	—	—	96.0	24VCT @ 4A	—	—	—	Lug	3	2.81	2.94	4.00	4.0	25.95	23.95	21.49
221411	P-8666	F226U	—	—	—	288.0	24VCT @ 12A	—	—	—	Lug	3	4.63	3.75	4.63	11.2	65.95	59.95	49.95
99654	XFR242	—	Red	—	Red	49.2	24.6VCT @ 2A	Blue	Yellow*	Blue	Wire	3	2.44	3.22	2.30	2.5	12.95	11.49	9.95
102104	XFR2520	F341X	Black	White*	Red	50.4	25.2VCT @ 2A	Orange	Black*	Orange	Wire	1	2.45	3.22	2.26	2.8	13.95	12.49	9.95
149797	XFR2820	F3185U	Black	Red*	Yellow	56.0	28VCT @ 2A	White	Black*	White	Wire	1	2.45	3.22	2.26	2.3	13.95	12.49	9.95

† Solder terminals

* Center tap

Triad cross is for reference only

PC Mount Modem Coupling Transformer

- Core type: EI-14
- Insulation resistance: 100MΩ
- ±20% impedance matching and DC resistance matching
- Hipot tested: 1000VAC
- Vacuum wax impregnated

JAMECO ValuePro



Part No.	Product No.	Impedance (Ω)		Resistance (Ω)		Pricing		
		Primary	Secondary	Primary	Secondary	1	10	100
125357	XFR6006A14	600CT	600CT	65	55	\$3.49	\$2.95	\$2.75

TRIAD

PC Mount Audio Transformer

- Impedance matching: 10% over frequency range
- 6-pin PC mount
- Output: 100mW
- Impedance (Ω): 600CT/600CT
- Primary DC Unbalance: 15mA



Part No.	Mfr. Part No.	Dimensions (W x D x H)	1	10	100
630459	TY-145P	13/16" x 9/32" x 5/8"	\$4.49	\$3.95	\$3.49

★ Audio Transformers Online — Enter Web Code SAJ

Low Frequency Current Sensing Transformer

May be used to monitor current 0.1-30A @ frequencies 50-400Hz.

- Turns ratio: 1:500
- Typical output: 110mV/amp
- Hi-pot: 500V
- Burden resistor: 60Ω



Part No.	Mfr. Part No.	Sen DCR	Primary DCR	1	10	100
627591	CSE187L	21Ω max.	250μΩ max.	\$4.49	\$3.95	\$3.59

Current Sensing Transformer

- Frequency range: 20-200kHz
- Minimum inductance: 3.5mH
- Primary is inserted thru hole in casing
- Arrow side of primary conductor has same polarity as pin #1



Part No.	Mfr. Part No.	DCR	Primary Arms	1	10	100
627621	CST306-1A	0.34Ω max.	35	\$4.49	\$3.95	\$3.59

JAMECO ValuePro

Current Sensing Transformer

- Frequency range: 10-50 kHz
- Inductance: 5mH
- Sensitivity current (I_{in}): 1A
- Terminating resistor: 50Ω
- Turns: 60
- Sensitivity voltage (V_{out}): 1V
- Max. current: 300mA



Part No.	Product No.	Dimensions (W x D x H)	1	10	100
164718	MTC30101	0.7" x 0.46" x 0.8"	\$2.95	\$2.59	\$2.39

JAMECO ValuePro

Class 1 Current Transformer

- Maximum voltage: 660VAC
- Frequency: 50-60Hz
- Ratio: 200A/5A; 5VA
- Weight: 1.1 lbs.
- Power: 5VA



Part No.	Product No.	Dimensions (W x D x H)	1	5	25
174887	MSQ30	2.95" x 1.7" x 3.36"	\$8.95	\$7.95	\$6.95

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

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		DOLLAR SALE

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

Transformers, HV Power Supply, EMI Cores & Power Entry Filters



500 to 2000VA Variable Transformers

- Input: 110VAC or 220VAC
- Power: 500, 1000 or 2000VA
- Output: 0-240VAC
- Banana/screw input terminals
- Universal US/European output plugs
- Lighted on/off power switch

121276



Part No.	Fuse	Size (W" x D" x H")	Wt. (lbs.)
121276	3A/250V (P/N 69439)	5.3 x 7.3 x 7.0	10.4
129008	5A/250V	9.4 x 6.5 x 7.7	14.8
152582	10A/250V (P/N 69462)	9.0 x 7.0 x 7.7	19.8

Part No.	Description	1	5	25
121276	500VA trans.	\$139.95	\$129.95	\$119.95
129008	1000VA trans.	169.95	154.95	129.95
152582	2000VA trans.	249.95	224.95	199.95

320VA Variable AC Transformer

- Input voltage: 110VAC @ 50-60Hz
- Matching input/output terminals: P/N 103668 & 109112 (disconnect .25" solderless terminals), pg 72
- Maximum current: 2.5A
- Shaft length: 0.5"
- Size: 2.8"Dia. x 2.1"H
- Weight: 2.5 lbs.
- Panel mount
- One-year warranty



Includes: 3 disconnect .25" solderless terminals

Part No.	Product No.	1	5	25
149324	PSV-203-R	\$59.95	\$53.95	\$47.95

* Variable Transformers Online — Enter Web Code MAR

6kV-7.4kV High Voltage Power Supply

- Input voltage range: 113VAC to 132VAC
- Input lead wires: 22 AWG UL1015, 7.5"L; AC hot (black), AC COM (white), HV RTN (green)
- Output voltage: 6.0kV to 7.4kV A@ 120VAC
- Output lead wires: 22 AWG UL3239, 10" (pink)
- UL94V-0 rated encapsulant filled epoxy
- Size: 3.0"L x 1.2"W x 1.0"H

Part No.	Product No.	Description	1	10	50	250
2100136	CS2080A3	High voltage power supply	\$6.95	\$4.95	\$4.49	\$3.49

300VA Isolation Transformer 120VAC to 120VAC

- Input connector: 5.5" cord with 2-prong plug
- Output voltage: 120VAC @ 2.5A (isolated)
- Input voltage: 120VAC @ 60Hz
- Size: 3.2"W x 4.6"D x 4.2"H
- Weight: 7.0 lbs.



Part No.	Product No.	1	5	25
181315	ITR300	\$44.95	\$39.95	\$34.95

International Step-Up/Step-Down Autotransformer

- Input voltage: 110/200/220/240V
- Output voltage: 110/220V
- Power: 80 watts continuous/100 watts intermittent
- On/off switch
- Fuse protected
- Two free spare fuses
- CE certification
- European to US adapter on power cable
- Universal European/US output receptacles
- Dimension: 5.2"L x 3.7"W x 3.5"H



Part No.	Product No.	1	5	25
2082599	VC-100	\$12.95	\$11.95	\$10.95

See page 110 for more International Step-Up & Step-Down Transformers

EMI Suppression Cores with Case

Reduce Electromagnetic Interference (EMI) with a snap of these suppression cores around a power cord or data cord. Easy to install and an affordable way to reduce EMI without redesigning your product.



218174



1952901

- Impedance at 100MHz between 75-225Ω min.
- Color: black (except P/N 2095402: white)

Round

Part No.	InDia.	OutDia.	Length	1	10	100
218174	.20"	.64"	1.15"	\$1.25	\$.99	\$.75
2095402	.30"	.78"	0.77" .....	.79	.69	.59
217842	.34"	.78"	1.40"	1.49	1.25	.99
2081810	.38"	1.0"	0.65" .....	.79	.69	.59

Square

Part No.	InDia.	Width	Height	Length	1	10	100
2094987	.20"	.55"	.59"	1.40" ..	\$.99	\$.85	\$.75
1952901	.25"	.70"	.77"	1.30" .....	.79	.69	.59
1536958	.40"	.87"	.87"	1.27" .....	.99	.85	.75

BEST SELLING POWER TRANSFORMERS

Part No.	Voltage	Price
105524	9VCT @ 1A	\$ 10.95
29226	12.6VCT @ 2A	13.95
102155	12.6VCT @ 2A	13.95
149957	18VCT @ 2A	11.95
102112	24VCT @ 1A	10.95
221373	24VCT @ 2A	13.95
221365	24VCT @ 4A	25.95
149797	28VCT @ 2A	13.95



29226



221373

See page 111 for complete selection

EMI Power Entry Filters (IEC Connector), Line Filters & AC Receptacles (IEC 320)

- Rated voltage: 115/250VAC
- Operating frequency: 50/60Hz
- Hipot rating (one minute) line to ground: 2250VDC; line to line: 1450VDC

EMI Power Entry Filter: Maximum leakage current each line to ground: @ 115VAC 60Hz: 0.20mA @ 250VAC 50Hz: 0.40mA

EMI Line Filter: Maximum leakage current each line to ground: @ 115VAC 60Hz: 0.25mA; 1.0mA (10000pF) @ 250VAC 50Hz: 0.45mA; 2.0mA (10000pF)

* Web Code: ACR

Photos on next page

Part No.	Mfr.	Product No.	Description	Fig.	Current (A)	Hipot (VDC)	Terminals	Terminal Size	Agency Approvals	Dimension (in.)				Pricing		
										A	B	C	D	1	10	100
1951511	Delta†	01GEEG3E (1ED1)	Power entry filter, straight (screw flanged)	1	1	2250	Faston	0.25"	UL/CSA/VDE	2.20	1.19	0.87	1.58	\$2.49	\$2.25	\$1.95
210913	Delta†	01GEEW3E (1ED8)	Power entry filter, straight (screw flanged)	2	1	2250	4" Wires	Wire	UL/CSA/VDE	1.89	1.19	0.86	1.58	1.49	1.25	.99
1951529	Delta	01DEEG3V	Power entry filter, rt. angle (screw flanged)	3	1	2250	Faston	0.25"	UL/CSA/VDE	1.64	1.19	0.87	1.58	.99	.89	.79
1172613	Tyco	1EGG1-2	Pwr entry filter, straight, fused (screw flanged)	4	1	2250	Faston	0.25"	UL/CSA/VDE	1.62	1.29	1.44	1.27	.99	.79	.69
1951545	Delta	01DKAG5	Line filter	5	1	2250	Faston	0.25"	UL/CSA/VDE	2.92	1.98	0.87	2.39	1.49	1.25	1.09
2133683	Schaffner	FN291E-2.5-05	Power entry filter, straight (screw flanged)	19	2.5	1700	Faston	0.25"	—	1.26	2.80	1.10	2.35	2.95	2.59	2.25
2126248	Tyco*	3EHG1-2-R	Power entry filter, straight (screw flanged)	4	3	1550	Faston	0.25"	UL/CSA/VDE	2.15	1.13	1.29	1.42	3.95	3.59	3.19
667438	ValuePro	YB03A1 (3EF1F)	Power entry filter, straight (screw flanged)	1	3	2250	Faston	0.25"	UL/CSA/VDE	2.23	1.19	0.89	1.58	3.95	3.59	3.19
150616	ValuePro	03AC1	Power entry filter, straight (screw flanged)	6	3	2250	Solder	0.16"	UL/CSA/VDE	2.05	1.19	0.89	1.58	3.95	3.59	3.25
1951537	Delta†	03GEEW3E-R (3ED8)	Power entry filter, wire (screw flanged)	2	3	2250	4" Wire	Wire	UL/CSA/VDE	1.90	1.19	0.87	1.58	1.49	1.35	1.19
2114116	Adam Tech	PLF-3PC	Line filter, metal case (PC mount)	18	3	250	Solder	0.039"	UL/CSA/VDE	0.984	0.984	0.787	—	6.49	5.95	5.39
1954720	Delta	04BEEG3S	Power entry filter, straight, fused (screw flanged)	1	4	2250	Faston	0.25"	UL/CSA/VDE	2.26	1.19	1.26	1.40	1.49	1.19	.89
1951570	Delta†	05DRDG3S (5ER7)	Power entry filter, 6-32 threaded panel mount	7	5	2250	Faston	0.25"	UL/CSA/VDE	3.15	1.97	1.28	1.58	1.95	1.79	1.59
2114124	Adam Tech	PLF-6DZ2KR	Pwr entry filter, strght, fuse & sw. (scrw flngd)	17	6	250	Faston	0.25"	UL/CSA/VDE	1.968	2.559	2.394	1.154	9.95	8.95	7.95
667462	ValuePro	YB06T1	Power entry filter, straight (screw flanged)	1	6	2250	Solder	0.25"	UL/CSA/VDE	2.10	1.19	0.89	1.58	3.59	3.25	2.95

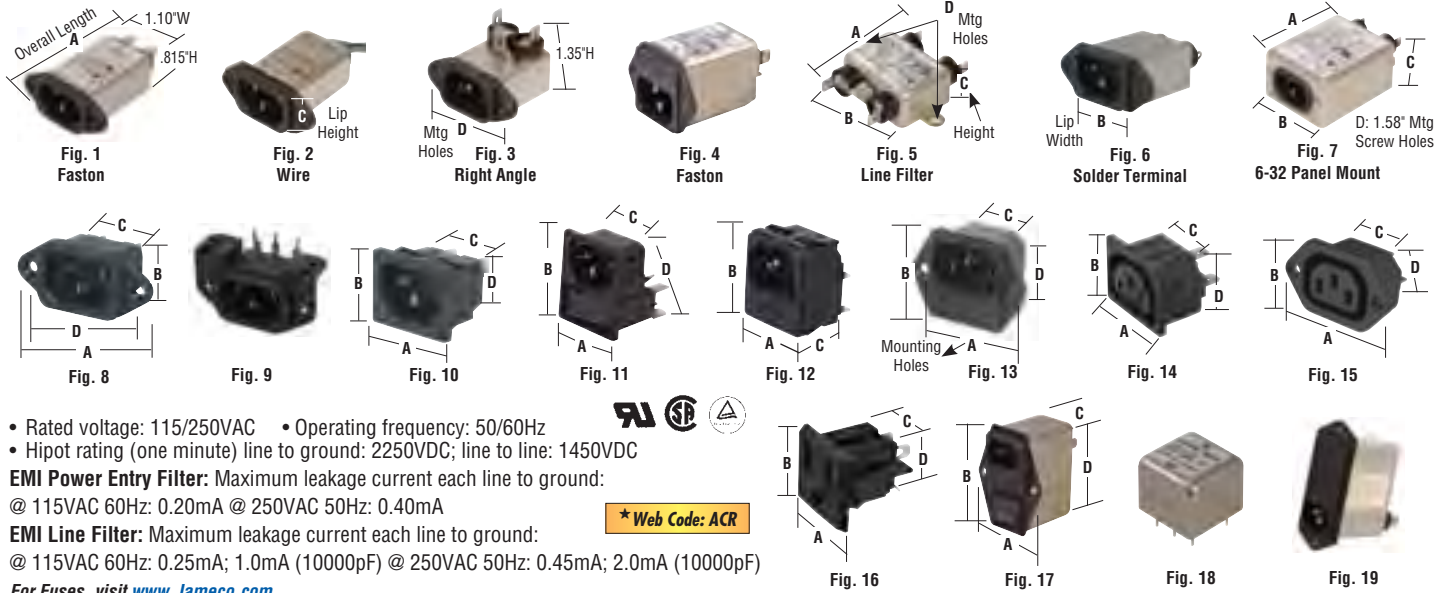
† High Performance; Increased filtering; Added bleeder resistor; More safety agencies

* Medical version, use with 5 x 20mm fuse

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Power Entry, AC Receptacles & International Power Cords

EMI Power Entry Filters (IEC Connector), Line Filters & AC Receptacles (IEC 320) (Continued)



- Rated voltage: 115/250VAC • Operating frequency: 50/60Hz
- Hipot rating (one minute) line to ground: 2250VDC; line to line: 1450VDC
- EMI Power Entry Filter: Maximum leakage current each line to ground:
@ 115VAC 60Hz: 0.20mA @ 250VAC 50Hz: 0.40mA
- EMI Line Filter: Maximum leakage current each line to ground:
@ 115VAC 60Hz: 0.25mA; 1.0mA (10000pF) @ 250VAC 50Hz: 0.45mA; 2.0mA (10000pF)

★ Web Code: ACR

For Fuses, visit www.Jameco.com

Part No.	Mfr.	Product No.	Description	Fig.	Current (A)	Hipot (VDC)	Terminals	Terminal Size	Agency Approvals	Dimension (in.)				Pricing		
										A	B	C	D	1	10	100
1951633	ValuePro	YB06AIR [†]	Power entry filter, straight (screw flanged)	1	6	2250	Faston	0.25"	UL/CSA/VDE	2.20	1.19	0.89	1.58	\$2.95	\$2.59	\$2.25
1951588	Delta	06DEEG3V	Power entry filter, right angle (screw flanged)	3	6	2250	Faston	0.25"	UL/CSA/VDE	1.64	1.19	0.87	1.58	2.25	2.09	1.75
1951596	Delta	10GEEG3C [†]	Power entry filter, straight (screw flanged)	1	10	2250	Faston	0.25"	UL/CSA/VDE	2.20	1.19	0.87	1.58	2.25	2.09	1.75
1951609	Delta	10ME3(S)	Power entry filter, right angle (PC mount)	3	10	2250	Solder	0.16"	UL/CSA/VDE	1.64	1.19	0.87	1.58	2.25	2.09	1.75
1951617	Delta	15DEEG3HA(D)	Power entry filter, straight (screw flanged)	1	15	2250	Faston	0.25"	UL/CSA/VDE	2.42	1.19	0.87	1.58	3.95	3.59	3.19
147901	ValuePro	701R	AC power inlet, male (screw flanged)	8	15	250	Faston	0.187"	UL/CSA/VDE	1.97	0.76	1.06	1.58	1.09	.99	.79
16652	ValuePro	JR101	AC power inlet, male (screw flanged)	8	15	250	Faston	0.25"	UL/CSA/VDE	1.97	0.76	1.06	1.58	1.09	.99	.79
2133712	ValuePro	VSP1.8101.1	AC pwr inlet, M R/A (screw flanged, PC mount)	9	15	250	Solder	0.05"	UL/CSA/VDE	1.96	1.09	1.09	0.78	.49	.45	.39
2114010	Adam Tech	IEC-A-4	AC pwr inlet, M R/A (screw flanged, PC mount)	9	15	250	Solder	0.071"	UL/CSA/VDE	1.97	0.89	1.06	0.76	.39	.29	.19
147109	ValuePro	42R02	AC power inlet, male (snap-in)	10	15	250	Faston	0.25"	UL/CSA/VDE	1.23	0.95	1.04	0.77	1.09	.99	.79
2095525	ValuePro	IEC-GS-1-100 [#]	AC pwr inlet, male w/ sw. & fuse holder (snap-in)	11	15	250	Faston	0.187"	UL/CSA/VDE	1.20	1.97	0.77	1.83	2.49	2.25	1.95
117445	ValuePro	0717 [#]	AC power inlet, male w/ fuse chamber (snap-in)	12	10	250	Faston	0.187"	UL/CSA/VDE	1.18	1.30	1.05	1.20	1.95	1.79	1.59
2125632	ValuePro	66822 [#]	AC power inlet, male w/ fuse chamber (snap-in)	12	10	250	Faston	0.25"	UL/CSA/VDE	1.22	1.33	0.87	1.22	1.49	1.25	.99
265528	ValuePro	WS-044 [#]	AC power inlet, male w/ fuse chamber (screw)	13	10	250	Faston	0.185"	UL/CSA/VDE	1.40	1.28	1.06	1.21	1.75	1.49	1.25
1954640	ValuePro	K2415	AC power inlet, female (snap-in)	14	15	250	Faston	0.187"	UL/CSA/VDE	1.38	0.98	1.26	1.10	.59	.49	.45
1954658	ValuePro	K2414	AC power inlet, female (screw flanged)	15	15	250	Faston	0.187"	UL/CSA/VDE	1.97	1.14	1.26	0.95	1.75	1.49	1.25
2114095	Adam Tech	NEMA-5-2 ^{##}	AC pwr outlet, NEMA receptacles (snap-in)	16	15	250	Fork	—	UL/CSA/VDE	1.063	1.063	0.70	0.866	.99	.85	.69

[†] High Performance; Increased filtering; Added bleed resistor; More safety agencies [#] Includes spare fuse holder - fuse type 5mm x 20mm (250V) ^{##} For 14-16 AWG wires



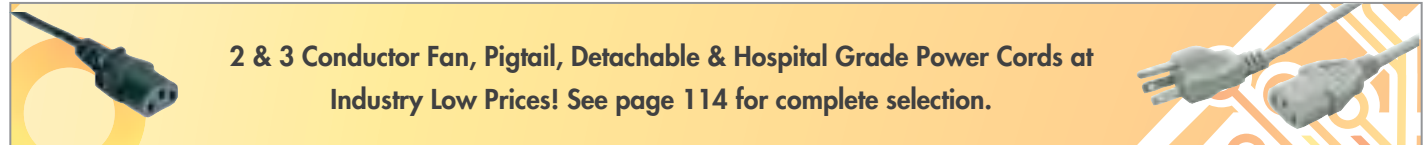
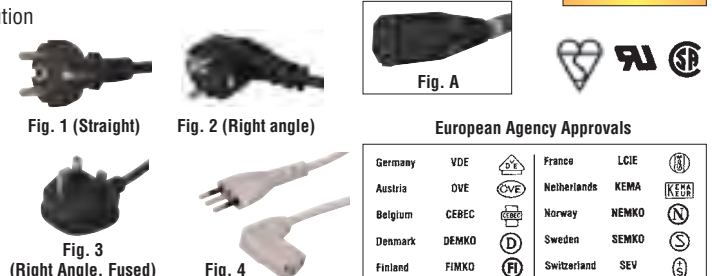
International Power Cords

- 3-conductor detachable power cords
- Excellent resistance to jacket abrasion
- Cord color: black; except P/N 172195: grey

- BSI: British Standard Institution
- Cord type: H05VVf
- Voltage rating: 300V

★ Web Code: XAQ

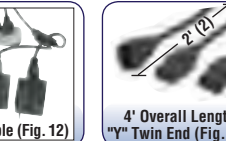
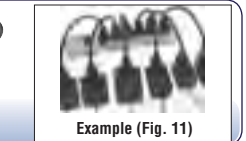
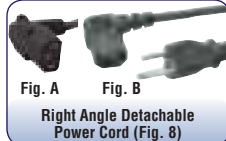
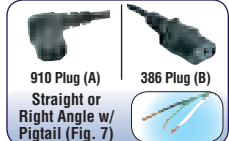
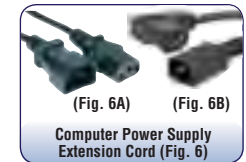
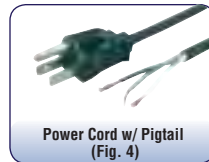
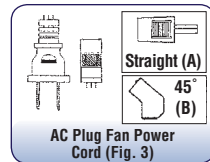
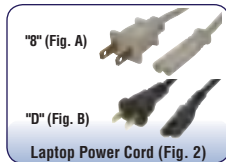
Part No.	Cross Ref. No.	Country	Agency Approvals	Plug Fig.	Cord Length	Conductors	Pricing		
							1	10	100
117911	PCVDE-6B	Europe	All	1/A	6 ft.	3/0.75mm	\$4.95	\$4.49	\$3.95
2081916	GTS3ARA	Europe	All	2/A	6 ft.	3/0.75mm	4.49	3.95	3.49
174633	21071H5182	UK/Ireland	BSI	3/A	8 ft.	3/1.0mm	6.95	6.25	5.59
172195	8120-6979	Italy	All	4	6 ft.	3/1.0mm	1.95	1.75	1.59



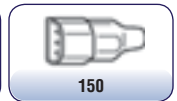
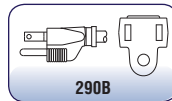
*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

NAME BRANDS	4 LEVELS OF SAVINGS	DOLLAR SALE
HOUSE BRANDS	FACTORY OVERRUN	

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com



Plug Detail – Industry Standard Designs



JAMECO ValuePro

2 & 3-Conductor Fan, Pigtail, Detachable & Hospital Grade Power Cords

- Molded connectors
- Excellent resistance to jacket abrasion

- Voltage rating: 300 volts
- Temperature: -20°C to +60°C



★ Web Code: UBF

AWG	Volts	Amps	VA
18	125	10	1250
16	125	12	1500
14	125	15	1875

2-Conductor Line Cords with Pigtail

Part No.	Product No.	*Mr.	Wt.	Fig.	Length	Color	AWG/Cond	Cord Type*	1	10	50	250
2120188	444010-4	JVP	.15	1A	4'	Black	18/2	SPT-2	\$1.95	\$1.75	\$1.49	\$1.25
152187	17106BG	JVP	.20	1	6'	Beige	18/2	SPT-2	1.95	1.75	1.49	1.25
124434	ST008R	JVP	.16	1	6'	Black	18/2	SPT-2	2.25	1.99	1.85	1.69
42042	SY-001-R	JVP	.18	1A	6'	Black	18/2	SPT-2	2.95	2.75	2.49	2.25

2-Conductor "8" Style Power Cords for Laptops and Power Supplies

2151195	123855-1	JVP	.15	2A	3'	Black	18/2	SPT-2	\$1.95	\$1.75	\$1.49	\$1.25
355944	VW-1G	JVP	.30	2A	6'	Gray	18/2	SPT-2	1.59	1.45	1.25	1.09
189587	VW-1R	JVP	.30	2A	6'	Black	18/2	SPT-2	2.95	2.69	2.39	2.19

2-Conductor "D" Style Power Cord for Laptops and Power Supplies

200791	LL114039	JVP	.30	2B	6'	Black	18/2	SPT-2	\$1.49	\$1.35	\$1.19	\$.95
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2-Conductor AC Plug Fan Power Cords

1952572	FAC5R	JVP	.40	3A	6'	Black	18/2	SPT-2	\$2.75	\$2.49	\$2.25	\$1.95
1952581	FAC45R	JVP	.40	3B	6'	Black	18/2	SPT-2	2.75	2.55	2.25	1.95

3-Conductor Power Cords with Pigtail (Unshielded) 290 Plug

38009	17237R	JVP	.31	4	6'	Gray	18/3	SVT	\$3.79	\$3.39	\$2.95	\$2.79
2158258	17236SR	JVP	.35	4	6'	Black	18/3	SVT	3.49	3.09	2.75	2.49
37997	17236R	JVP	.30	4	6'	Black	18/3	SVT	3.79	3.39	2.95	2.79
173810	17405R	JVP	.14	4	6'	Gray	18/3	SJT	3.95	3.55	3.19	2.89
159410	17405B	JVP	.37	4	6'	Black	18/3	SJT	3.95	3.55	3.19	2.89
38025	17238R	JVP	.42	4	8'	Black	18/3	SVT	4.49	3.95	3.55	2.95
102007	17535B	JVP	.49	4	10'	Black	18/3	SVT	4.95	4.49	3.95	3.49
196286	LL40378R	JVP	.80	4	10'	Black	16/3	SJT	7.95	6.95	5.95	4.95
166925	17516R	JVP	.41	4	6"7"	Black	14/3	SJT	9.95	8.95	7.95	6.95
100272	17629B	JVP	.88	4	9'	Black	14/3	SJT	9.95	8.95	7.95	6.95

3-Conductor Power Cord with Pigtail (Shielded) 910 Plug

339995	72WV866SD	JVP	.49	7A	6"7"	Black	18/3	SVT	\$1.95	\$1.75	\$1.49	\$1.35
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3-Conductor Detachable Power Cords (Unshielded) 290B/386A Plugs

2081801	17002AR	JVP	.36	5	1'	Black	18/3	SVT	\$2.95	\$2.65	\$2.39	\$1.95
2082425	17000A	JVP	.35	5	3'	Black	18/3	SVT	3.25	2.95	2.59	2.29
38041	17249R	JVP	.37	5	6'	Beige	18/3	SVT	3.49	2.95	2.49	1.95
103747	17248	JVP	.34	5	6'	Gray	18/3	SVT	3.95	3.59	3.19	2.49
38050	17250R	JVP	.36	5	6'	Black	18/3	SVT	4.95	4.49	3.95	3.59
132118	17500R	JVP	.44	5	6'	Black	18/3	SJT	4.95	4.49	3.95	3.25
2100275	17251B	JVP	.37	5	7"7"	Black	18/3	SVT	3.49	2.95	2.75	2.49
1585637	171096	JVP	.60	5	8'	Black	18/3	SVT	3.95	3.49	3.19	2.79
171096	17758	JVP	.60	5	8'	Black	18/3	SJT	3.95	3.49	3.19	2.79
102024	17501V	JVP	.55	5	10'	Black	18/3	SVT	5.95	5.69	5.39	4.95
163361	6952299	JVP	.75	5	14'	Black	18/3	SVT	7.95	6.95	6.25	5.59
2145051	177323	JVP	.70	5	15'	Black	18/3	SVT	6.95	6.25	5.59	4.95
340291	17001AR	JVP	.31	5	3'	Black	16/3	SJT	4.95	4.59	3.95	3.49
2126053	LL76932S	JVP	.52	5	6'	Black	16/3	SJT	3.95	2.95	2.49	1.95
159361	17602	JVP	.52	5	6'	Black	16/3	SJT	6.95	5.95	5.35	4.79
1537230	LL34877	JVP	.72	5	8'	Black	16/3	SJT	7.95	6.95	6.25	5.59
125541	17504R	JVP	.72	5	6"7"	Black	14/3	SJT	7.95	7.19	6.49	5.79

#has .55" x .62" strain relief †European standard insulation color code \$RFI filter on cord

3-Conductor Detachable Power Cords (Shielded) 290B/386A Plugs

Part No.	Product No.	*Mr.	Wt.	Fig.	Length	Color	AWG/Cond	Cord Type*	1	10	50	250
2082433	77450	JVP	.40	5	6'	Gray	18/3	SVT	\$3.49	\$2.95	\$2.65	\$2.25
213874	17660BG	JVP	.40	5	6'	Beige	18/3	SVT	4.25	3.79	3.49	2.95
161761	17742	SLA	.40	5	6'	Black	18/3	SVT	4.49	3.95	3.59	2.95
1537459	LL6415	JVP	.40	5	9'10"	Beige	18/3	SJT	1.95	1.75	1.49	1.25

3-Conductor Computer Power Supply Extension Cords (150/386A/910 Plugs)

2125317	LL90989	JVP	.15	6B	1'6"	Black	18/3	SVT	\$1.75	\$1.49	\$1.25	\$1.09
206172	PEC-3R	JVP	.22	6A	3'	Black	18/3	SVT	2.95	2.65	2.39	2.19
319804	LR94903	JVP	.82	6A	6'	Gray	18/3	SVT	2.49	1.95	1.75	1.49
28468	PEC	JVP	.36	6A	6'	Black	18/3	SVT	3.95	3.55	3.19	2.79
2133595	PEC-SJT	JVP	.36	6A	6'	Black	18/3	SJT	4.95	4.49	3.95	3.49
420224	10W1-02212	JVP	.53	6A	12'	Black	18/3	SVT	5.95	5.39	4.79	4.25

3-Conductor Power Cords with Pigtail (Unshielded) 910 or 386 Plug

340056	17537R	JVP	.37	7A	9'10"	Black	18/3	SJT	\$2.25	\$1.95	\$1.75	\$1.49
340099	17539R	JVP	.80	7A	9'10"	Black	16/3	SJT	2.25	1.95	1.75	1.49
340072	17521R	JVP	.80	7B	9'10"	Black	16/3	SJT	2.25	1.95	1.75	1.49

3-Conductor Right Angle Detachable Power Cords (Unshielded) 290B/910 Plugs

117357	8120-6177R	JVP	.41	8B	6'	Gray	18/3	SVT	\$3.95	\$3.55	\$3.19	\$2.79
38077	17250R	JVP	.54	8B	6'	Black	18/3	SVT	3.95	3.55	3.19	2.79
2099999	E88265	JVP	.82	8A	8'	Black	18/3	SVT	2.95	2.49	1.95	1.49
177384	17507R	JVP	.28	8B	10'	Black	18/3	SVT	4.95	4.49	3.95	3.49
2121519	17569R	JVP	.30	8B	10'	Black	18/3	SJT	3.95	3.59	3.25	2.95
222958	17510	JVP	.88	8B	6"7"	Black	14/3	SJT	4.95	4.49	3.95	2.95

3-Conductor Right Angle Detachable Power Cord (Shielded) 290B/910 Plugs

173252	17745R	JVP	.16	8B	6"7"	Black	18/3	SVT	\$5.95	\$5.39	\$4.79	\$4.25
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3-Conductor Hospital Grade Power Cords (green dot)

2115434	LL39965	JVP	.75	9	10'	Gray	18/3	SJT	\$5.95	\$5.25	\$4.59	\$3.95
132011	17006GR	JVP	.82	9	10'	Gray	16/3	SJT	10.95	9.95	8.95	7.95
115078	17006R	JVP	.84	9	10'	Blk†	16/3	SJT	10.95	9.95	8.95	7.95

3-Conductor Computer Monitor Power Adapter Cord (150/386 Plugs)

177448	MPC1R	JVP	.16	10	1'	Black	18/3	SVT	\$2.95	\$2.69	\$2.39	\$2.19
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3-Conductor Detachable Power Cords (Power Strip Saver) 290B/386 Plugs

208339	P55-BR	JVP	.16	11	1'	Beige	18/3	SVT	\$2.49	\$2.25	\$1.95	\$1.75
199778	PSS-1R	JVP	.16	11	1'	Black	18/3	SVT	2.95	2.69	2.39	2.15

3-Conductor Power Cord ("Y" Type Power Strip Saver II) 290B/386 (2) Plugs

208347	121-2594R	ZTK	.38	12	22"	Black	16/3	SJT	\$7.95	\$6.95	\$6.25	\$5.95
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3-Conductor Power Cord ("Y" Twin End) 150/386 (2) Plugs

340566	17268AR	JVP	.32	13	4'	Black	18/3	SJT	\$6.95	\$6.25	\$5.59	\$4.95
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3-Conductor "Mickey Mouse" Style Power Supply Cords

1953559	MMFLAT	MWL	.40	14	6'	Black	18/3	SPT-2	\$1.75	\$1.59	\$1.25	\$.95
1951123	MMPC	MWL	.40	14	6'	Black	18/3	SVT	4.95	4.49	3.95	3.49

*Thermoplastic Cord Jacket Type: SPT-2 (Flat): Junior duty; SVT (Round): Light service; SJT (Round): Junior service

* JVP = Jameco ValuePro | MWL = Mean Well | SLA = Sola | ZTK = Ziotek

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.



Open-Frame Linear AC-to-DC Power Supplies

- Load regulation: $\pm 0.5\%$
- Line regulation: $\pm 0.5\%$
- UL/CE/TUV certified
- Jumperable between 100VAC to 240VAC

★ Web Code: MSP



2077503

Part No.	Manufacturer	Mfr. Part No.	Output		Input (VAC @ Hz)	Rip & Noise (mV p-p)	Size (L" x W" x H")	Pricing		
			Voltage@Current (min-max)	Power				1	5	25
2077503	Astec	ACV12N5	+12V @ 5.1A	61W	100-240 @ 47-63Hz	3.0	7.0 x 4.87 x 2.75	\$14.95	\$13.49	\$11.95
2077511	Astec	ACV15N4.5	+15V @ 4.5A	67.5W	100-240 @ 47-63Hz	3.0	7.0 x 4.87 x 2.75	12.95	11.49	9.95

Open-Frame Medical Switching AC-to-DC Power Supplies



MPS-65

- Universal AC input/full range
- Soft-start circuit, limiting AC surge current
- Short-circuit, overload and overvoltage protection
- Load regulation: $\pm 2.0\%$
- Volt. adjustment: 10%
- 2129633 and 2129676: Load/line reg. $\pm 5\%$
- 100% full-load burn-in test
- Leakage current: 0.3mA @ 240V
- Isolation voltage: 4000VAC
- Working temp.: -10°C to +60°C
- Mating connector: P/N 104732, pg 64
- 2129684: $\pm 1\%$ line reg. $\pm 3\%$ load reg.



★ Web Code: JBK

Part No.	Manufacturer	Mfr. Part No.	Output		Input (VAC @ Hz)	Ripple & Noise (mV p-p)*	Certification	Pricing		
			Voltage @ Current (min-max)	Power				1	5	25
694971	Mean Well	NFM-05-5	+5V @ 0-1A	5W	2.3 x 1.8 x 0.8	80	UL/CUL/TUV/CE	\$10.95	\$8.75	\$8.25
695092	Mean Well	NFM-10-5	+5V @ 0-2A	10W	2.6 x 1.8 x 0.9	80	UL/CUL/TUV/CE	12.95	10.95	9.95
221058	Mean Well	MPS-45-7.5	+7.5V @ 0-5.4A	40.5W	90-264 @ 47-440	100	UL/CUL/TUV/CE	23.95	21.49	19.75
221154	Mean Well	MPS-65-12	+12V @ 0-5.2A	62.4W	90-264 @ 47-440	100	UL/CUL/TUV/CE	24.95	22.49	20.49
2129633	Elpac	MS6524F	+24V @ 2.7A	65.0W	85-264 @ 50-60	240	UL/CSA/TUV/CE	9.95	8.95	7.95
2129684	Elpac	MSM7524F	+24V @ 4.6A	110.0W	90-264 @ 47-63	240	UL/CUL/CE	17.95	15.95	13.95
2129676	Elpac	MSM40D	+5.1V @ 4A; +24V @ 1A; -12V @ 0.4A	110.0W	90-264 @ 47-63	50	UL/CUL/CSA/CE	14.95	13.49	11.95
2081721	EOS	LFMVL80-4000	+5V @ 10A, +12V @ 2A, -5V @ .8A, -12V @ .8A	80.0W	90-240 @ 47-63	80	UL/CE	13.95	12.49	10.95

* Primary Output \$ Ultra-miniature

Open-Frame Switching AC-to-DC Power Supplies

★ Web Code: OSP

- Universal AC input/full range
- Two-year warranty
- Short-circuit, overload and overvoltage protection
- PFC Model Additional Features:
- Built-in active Power Factor Protection function, power factor > 0.93
- Three-year warranty



USP-225



PPS-125



LPP-150

Part No.	Manufacturer	Mfr. Part No.	Output		Input (VAC @ Hz)	Size (L"xW"xH")	Mounting Holes (L"xW"xDia.")	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	PFC	Certification	Pricing		
			Voltage @ Current (min-max)	Power									1	5	25
Single Output															
218991	Artesyn	NLP150L-96S3	+3.3V @ 1-22A	72.6W	90-264 @ 47-63	6.8x3.8x1.3	6.5x3.5x0.2	50	2.0	2.0	—	UL/CSA/VDE/CE	\$29.95	\$26.95	\$24.95
229042	Phihong	PSA15LN3-050	+5V @ 0-3A	15W	90-264 @ 47-63	4.3x1.6x0.9	4.0x1.3x0.2	50	2.0	1.0	—	UL/CUL/TUV/CE	18.95	17.25	16.25
2081836	CUI Inc.	VOF-25-5	+5V @ 4.4A	25W	85-264 @ 47-63	3.5x2.0x0.9	3.2x1.7X0.2	50	5.0	5.0	—	UL/CUL/TUV/CE/FCC	11.95	10.49	9.49
212354	Mean Well	PS-25-5	+5V @ 0-5A	25W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.1x0.1	80	2.0	0.5	—	UL/CUL/TUV/CE	12.95	11.95	10.95
217332	Mean Well	PS-45-5	+5V @ 0-8A	40W	90-264 @ 47-440	5.0x3.0x1.1	4.6x2.6x0.2	100	3.0	1.0	—	UL/CUL/TUV/CE	14.95	13.49	12.25
1586331	Phihong	PSA120-050	+5V @ 0-5A	75W	40-264 @ 47-63	5.0x3.0x1.2	4.5x2.5x0.2	100	20.0	1.0	—	UL/CUL/TUV/CE	29.95	24.95	22.95
218915	Artesyn	NLP110-9605	+5V @ 0.5-15A	75W	90-264 @ 47-63	6.5x3.0x1.3	6.1x2.6x0.2	50	2.0	2.0	—	UL/CUL/CSA/VDE	29.95	24.95	22.95
1954439	Mean Well	USP-500-5	+5V @ 0-80A	400W	90-264 @ 47-63	10.0x5.0x1.6	see data sheet	80	2.0	0.5	✓	UL/CUL/TUV/CE	99.95	94.95	89.95
219011	Artesyn	NLP150L-96S5	+5.1V @ 1-22A	112.2W	90-264 @ 47-63	6.8x3.8x1.3	6.5x3.5x0.2	50	2.0	2.0	—	UL/CSA/VDE/CE	29.95	26.95	24.95
392826	Mean Well	PS-25-7.5	+7.5V @ 3.3A	24.8W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.1x0.14	80	2.0	0.5	—	UL/TUV/EN	12.95	11.95	10.95
229060	Phihong	PSA15LN3-120	+12V @ 0-1.25A	15W	90-264 @ 47-63	4.3x1.6x0.9	4.0x1.3x0.2	120	2.0	1.0	—	UL/CUL/TUV/CE	16.95	15.95	15.49
300484	Mean Well	OFM-1502	+12V @ 0-1.25A	15W	85-264 @ 47-440	2.8x1.9x0.8	see data sheet	150	1.0	0.3	—	UL/CUL/TUV/CE	17.95	15.95	13.95
148604	Mean Well	PS-25-12	+12V @ 0-2.1A	25.2W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.1x0.1	100	2.0	0.3	—	UL/CUL/TUV/CE	12.95	11.95	10.95
213728	Mean Well	PS-45-12	+12V @ 0-3.7A	44.4W	90-264 @ 47-440	5.0x3.0x1.1	4.6x2.6x0.2	100	2.0	1.0	—	UL/CUL/TUV/CE	14.95	13.49	12.25
148639	Mean Well	PS-65-12	+12V @ 0-5.2A	62.4W	90-264 @ 47-440	5.0x3.0x1.7	4.5x2.5x0.15	100	2.0	1.0	—	UL/CUL/TUV/CE	15.95	13.49	11.95
2099981	ITE	SBU60-105	+12V @ 5.25A	63W	90-264 @ 47-63	5.0x3.0x1.1	4.6x2.6x0.15	120	3.0	0.5	—	UL/CUL/CE	8.95	7.95	6.95
244718	Mean Well	LPS-75-12	+12V @ 0-6.8A	74.4W	90-264 @ 47-63	8.7x2.2x1.2	8.3x1.8x0.15	100	2.0	1.0	—	UL/CUL/TUV/CB/CE	23.95	21.95	19.95
173472	Mean Well	LPS-100-12	+12V @ 0-8.4A	100.8W	88-264 @ 47-63	8.7x2.4x1.3	8.4x2.1x0.14	100	1.5	0.5	✓	UL/CUL/TUV/CE	34.95	32.49	29.95
374089	Mean Well	PPS-125-12	+12V @ 0-10.5A	126W	90-264 @ 47-63	5.0x3.0x1.4	4.6x2.6x0.14	100	1.0	0.5	✓	UL/CUL/TUV/CE	56.95	52.95	49.95
213681	Mean Well	LPP-150-12	+12V @ 0-12.5A	150W	85-264 @ 47-63	8.7x2.4x1.6	8.3x2.6x0.15	100	1.0	0.5	✓	UL/CUL/TUV/CE	42.95	38.95	34.95
694479	Mean Well	USP-225-12	+12V @ 0-18.7A	224.4W	90-264 @ 47-63	8.0x4.0x1.5	7.7x3.4x0.1	100	1.0	0.5	✓	UL/CUL/TUV/CB/CE/PFC	69.95	63.95	59.95
374380	Mean Well	PS-65-13.5	+13.5V @ 0-5.4A	63.5W	90-264 @ 47-440	5.0x3.0x1.7	4.5x2.5x0.15	100	2.0	1.0	—	UL/CUL/TUV/CE	15.95	13.49	11.95
2105674	Mean Well	PS-15-15	+15V @ 0-1A	15W	85-264 @ 47-63	3.7x1.9x1.0	3.4x1.6x1.0	120	1.0	1.0	—	UL/TUV/CB/CE	8.95	7.95	7.25

* Primary Output † Multiple sets of mounting holes, see data sheet for dimensions \$ Ultra-miniature

More Open-Frame Switching Power Supplies on page 116

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PFC Model Additional Features:

- Built-in active Power Factor Protection function, power factor >0.93
- Three-year warranty



USP-225



PPS-125



LPP-150

Complete power product specifications available online

Part No.	Manufacturer	Mfr. Part No.	Output		Input (VAC @ Hz)	Size (L"xW"xH")	Mounting Holes (L"xW"xDia.")	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	PFC	Certification	Pricing		
			Voltage @ Current (min-max)	Power									1	5	25
Single Output															
216751	Mean Well	PS-65-15	+15V @ 0-4.2A	63W	90-264 @ 47-440	5.0x3.0x1.7	4.5x2.5x0.2	100	2.0	1.0	—	UL/CUL/TUV/CE	\$15.95	\$13.49	\$11.95
374097	Mean Well	PPS-125-15	+15V @ 0-8.4A	126W	90-264 @ 47-63	5.0x2.4x1.4	4.6x2.6x0.14	100	1.0	0.5	✓	UL/CUL/TUV/CE	56.95	52.95	49.95
212346	Mean Well	PS-25-24	+24V @ 0-1A	24W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.1x0.1	240	2.0	0.2	—	UL/CUL/TUV/CE	12.95	11.95	10.95
213720	Mean Well	PS-45-24	+24V @ 0-1.9A	45.6W	90-264 @ 47-440	5.0x3.0x1.1	4.6x2.6x0.2	100	2.0	1.0	—	UL/CUL/TUV/CE	14.95	13.49	12.25
148647	Mean Well	PS-65-24	+24V @ 0-2.7A	64.8W	90-264 @ 47-440	5.0x3.0x1.7	4.5x2.5x0.2	100	2.0	1.0	—	UL/CUL/TUV/CE	15.95	13.49	11.95
2129633	Elpac	MS6524F	+24V @ 2.7A (medical grade)	65W	100-240 @ 50-60	5.0x3.0x1.2	4.5x2.5x0.2	100	5.0	5.0	—	UL/CSA/TUV/CE	9.95	8.95	7.95
244727	Mean Well	LPS-75-24	+24V @ 0-3.5A	76.8W	90-264 @ 47-63	8.7x2.2x1.2	8.4x1.8x0.2	120	1.0	1.0	✓	UL/CUL/TUV/CE	23.95	21.95	19.95
173463	Mean Well	LPS-100-24	+24V @ 0-4.2A	100.8W	88-264 @ 47-63	8.7x2.4x1.3	8.4x2.1x0.1	150	0.5	0.5	✓	UL/CUL/TUV/CE	34.95	32.49	29.95
2129684	Elpac	MSM7524	+24V @ 4.6A (medical rated)	110.0W	100-240 @ 50-60	5.7x3.4x1.6	5.2x3.4x1.5	240	3.0	1.0	—	UL/CUL/CE	17.95	15.95	13.95
301429	Mean Well	PPS-125-24	+24V @ 0-5.2A	124.8W	90-264 @ 47-63	5.0x3.0x1.4	4.6x2.6x0.1	150	1.0	0.5	✓	UL/CUL/TUV/CE	56.95	52.95	49.95
213672	Mean Well	LPP-150-24	+24V @ 0-6.3A	150W	85-264 @ 47-63	8.7x2.4x1.6	8.3x2.6x0.2	150	0.5	0.5	✓	UL/CUL/TUV/CE	42.95	38.95	34.95
668730	Mean Well	PPS-200-24	+24V @ 0-8.3A	199.2W	90-264 @ 47-63	5.0x3.0x1.4	3.7x7.8x0.14	150	1.0	0.5	✓	UL/CUL/TUV/CE	79.95	71.95	63.95
201946	Mean Well	PS-65-27	+27V @ 0-2.4A	64.8W	90-264 @ 47-440	5.0x3.0x1.7	4.5x2.5x0.2	100	2.0	1.0	—	UL/CUL/TUV/CE	15.95	13.49	11.95
236882	Mean Well	LPP-100-27	+27V @ 0-3.8A	102.6W	88-264 @ 47-63	8.7x2.4x1.3	8.4x2.1x0.1	150	0.5	0.5	✓	UL/CUL/TUV/CE	29.95	26.95	24.95
216646	Mean Well	LPP-150-48	+48V @ 0-3.2A	153.6W	85-264 @ 47-63	8.7x2.4x1.6	8.3x2.6x0.2	250	0.5	0.5	✓	UL/CUL/TUV/CE	42.95	38.95	34.95
1954463	Mean Well	USP-500-48	+48V @ 10.5A	504W	90-264 @ 47-63	10.0x5.0x1.6	see data sheet†	150	1.0	0.5	✓	UL/CUL/TUV/CE	199.95	184.95	169.95
Double Output															
212312	Mean Well	PD-2505	+5V @ 0.1-3A; -5V @ 0.1-2.5A	25W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.08x0.1	50	4.0	1.0	—	UL/CUL/TUV/CE	\$19.95	\$18.49	\$16.95
212338	Mean Well	PD-25A	+5V @ 0.2-2.5A; +12V @ 0.1-1.5A	25W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.08x0.1	50	1.0	0.5	—	UL/CUL/TUV/CE	16.95	15.95	14.95
212330	Mean Well	PD-25B	+5V @ 0.2-2A; +24V @ 0.1-1A	25.2W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.1x0.1	50	1.0	0.5	—	UL/CUL/TUV/CE	16.95	15.95	14.95
194862	Mean Well	PD-45A	+5V @ 0.4-3.2A; +12V @ 0.2-2	40W	90-264 @ 47-440	5.0x3.0x1.1	4.6x2.6x0.2	50	3.0	1.0	—	UL/CUL/TUV/CE	17.95	16.95	15.95
194889	Mean Well	PD-65A	+5V @ 0.4-7A; +12V @ 0.2-3.2A	61.1W	90-264 @ 47-440	5.0x3.0x1.7	4.5x2.5x0.2	50	3.0	1.0	—	UL/CUL/TUV/CE	19.95	18.49	16.49
692377	Autec	UPS65-1002	+5V @ 0.5-3.5A; +12V @ 0.1-4A	65W	90-260 @ 47-63	6.0x3.5x1.5	4.8x3.2x0.2	50	2.0	0.5	—	UL/CSA/TUV	17.95	15.95	13.95
194897	Mean Well	PD-65B	+5V @ 0.4-3.5A; +24V @ 0.2-2A	65.5W	90-264 @ 47-440	5.0x3.0x1.7	4.5x2.5x0.2	50	3.0	1.0	—	UL/CUL/TUV/CE	19.95	18.95	17.95
375056	Mean Well	PD-110B	+5V @ 0.5-5A; +24V @ 0.5-3.5A	109W	100-264 @ 47-63	7.0x4.3x1.8	6.5x3.8x0.1	100	1.0	1.0	—	UL/CUL/TUV/CE	37.95	34.95	31.95
148690	Mean Well	PD-2512	+12V @ 0.1-1.2A; -12V @ 0.1-1A	24W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.1x0.1	50	3.0	0.5	—	UL/CUL/TUV/CE	15.95	14.95	13.95
2100857	Mean Well	PD-25-15	+15V @ 1A; -5V @ 1A	25W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.1x0.1	50	3.0	0.5	—	UL/CUL/TUV/CE	19.95	17.95	16.49
Triple Output															
230536	Phihong	PSA25L-301	+5V @ 0.2-2A; +12V @ 0.1-1A; -12V @ 0-0.3A	25W	90-264 @ 47-63	4.3x1.6x0.9	3.7x2.1x0.1	50	2.0	1.0	—	UL/CUL/TUV/CE	\$24.95	\$22.95	\$20.95
2129676	Elpac**	MSM40D	+5.1V @ 4A; +24V @ 1A; -12V @ 0.4A	40W	100-240 @ 50-60	5.0x3.0x1.1	4.6x2.5x0.2	50	5.0	5.0	—	UL/CUL/CSA/CE	14.95	13.49	11.95
229122	Phihong	PSA4531	+5V @ 0-4A; +12V @ 0-1.5A; -12V @ 0-0.5A	44W	90-264 @ 47-63	5.0x3.0x1.2	4.6x2.6x0.2	50	2.0	1.0	—	UL/CSA/TUV/CE	33.95	31.49	28.95
88402	Mean Well	PT-45B	+5V @ 0.4-3A; +12V @ 0.2-2A; -12V @ 0-0.3A	45W	90-264 @ 47-440	5.0x3.0x1.1	4.6x2.6x0.2	50	3.0	1.0	—	UL/CUL/TUV/CE	19.95	18.49	16.95
216734	Mean Well	PT-65B	+5V @ 0.4-5.5A; +12V @ 0.2-2.5A; -12V @ 0-0.5A	63.5W	90-264 @ 47-440	5.0x3.0x1.7	4.6x2.6x0.2	50	3.0	1.0	—	UL/CUL/TUV/CE	21.95	18.95	16.95
216726	Mean Well	PT-65C	+5V @ 0.4-5.5A; +15V @ 0.2-2A; -15V @ 0-0.5A	65W	90-264 @ 47-440	5.0x3.0x1.7	4.6x2.6x0.2	50	3.0	1.0	—	UL/CUL/TUV/CE	21.95	18.95	16.95
215707	Mean Well	PT-65D	+5V @ 0.5-4A; +12V @ 0.2-2A; +24V @ 0.2-1A	65W	90-264 @ 47-440	5.0x3.0x1.7	4.6x2.6x0.2	50	2.0	1.0	—	UL/CUL/TUV/CE	21.95	18.95	16.95
673934	ReliaPro	PVI-50-46BUB	+5V @ 6.5A; +3.3V @ 2.5A; +12V @ 0.8A; -12V @ 0.5A	57W	100-240 @ 50-60	8.1x3.2x1.5	7.6x2.6x0.15	50	2.0	2.0	—	UL/CUL/CSA/TUV/CE	7.95	6.95	5.95
2081721	EOS**	LFMVL780-4000	+5V @ 10A; +12V @ 2A; -5V @ 0.8A; -12V @ 0.8A	80W	90-240 @ 47-63	3.0x5.0x1.0	4.55x2.55	80	1.0	1.0	—	UL/CE	13.95	12.49	10.95
645298	Mean Well	PQ-100DTR	+5V @ 5A; +12V @ 2A; -12V @ 2A; +24V @ 2A	103W	100-264 @ 47-63	7.0x4.3x1.8	6.5x3.8x0.2	80	1.0	1.0	—	UL/CUL/TUV/CE	36.95	32.95	29.95

* Primary Output † Multiple sets of mounting holes, see data sheet for dimensions ** Medical rated

More Open-Frame Switching Power Supplies on page 115

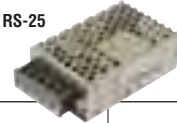
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Enclosed Switching AC-to-DC Power Supplies



Enclosed Switching AC-to-DC Power Supplies

RS-25



• 100% full-load burn-in test

Complete power product specifications available online

★ Web Code: EPS

Part No.	Manufacturer	Mfr. Part No.	Output		Size (L"xW"xH")	Ripple & Noise (mV p-p)	Load Reg. (±%)*	Line Reg. (±%)*	Additional Info (pg 118)†	Certification	Pricing			
			Voltage @ Current (min-max)	Power							1	5	25	
Single Output														
693193	Mean Well	RS-25-3.3	+3.3V @ 0-6A	19.8W	3.0x2.0x1.1	80	2.0	0.5	1	UL/CUL/TUV/CE/CB	\$14.95	\$13.49	\$12.49	
201903	Mean Well	SP-150-3.3	+3.3V @ 0-30A	99W	7.0x3.9x2.0	100	1.0	0.5	3	UL/CUL/TUV/CE/CB/PFC	44.95	41.95	38.95	
1919043	Mean Well	RS-15-5	+5V @ 0-3A	15W	2.5x2.0x1.1	80	1.5	0.5	1	UL/CUL/TUV/CE/CB	11.95	10.49	9.49	
323282	Mean Well	RS-25-5	+5V @ 0-5A	25W	3.1x2.0x1.1	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	14.95	13.49	12.49	
123247	Mean Well	S-25-5	+5V @ 0-5A	25W	3.9x3.8x1.4	50	1.0	0.5	2	UL/TUV/CE	17.95	16.49	14.95	
123290	Mean Well	S-40-5	+5V @ 0-8A	40W	5.1x3.9x1.5	75	1.0	0.5	2	UL/CUL/TUV/CE/CB	21.95	19.49	17.95	
689784	Metapo	1M051C05-0M	+5V @ 0-10A	50W	6.0x3.7x1.5	100	2.0	0.5	—	UL/CUL	10.95	9.95	8.95	
323388	Mean Well	RS-50-5	+5V @ 0-10A	50W	3.9x3.8x1.4	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	19.95	17.95	15.95	
2079390	PowerLD	PD-60-5	+5V @ 0-10A	50W	5.1x3.9x1.5	50	2.0	0.5	—	UL/CUL/CE	21.95	19.95	18.95	
689768	Potrans	FS-06005-0M	+5V @ 0-12A	60W	5.1x3.9x1.5	120	—	—	—	UL/CUL/CE	12.95	11.95	10.95	
123327	Mean Well	S-60-5	+5V @ 0-12A	60W	6.3x3.8x1.5	120	1.0	0.5	2	UL/CUL/TUV/CE/CB	23.95	21.95	19.95	
323708	Mean Well	RS-100-5	+5V @ 0-16A	80W	6.3x3.8x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	29.95	27.95	25.95	
201962	Mean Well	S-100F-5	+5V @ 0-20A	100W	7.8x3.9x1.5	100	1.0	0.5	2	UL/CUL/TUV/CE/CB	29.95	26.95	23.95	
194791	Mean Well	SP-100-5	+5V @ 0-20A	100W	7.0x3.9x1.8	100	1.0	0.5	3	UL/CUL/TUV/CE/CB/PFC	41.95	38.95	35.95	
123394	Mean Well	S-150-5	+5V @ 0-30A	150W	7.0x4.3x2.0	150	0.5	0.5	2	UL/CUL/TUV/CE/CB	33.95	31.49	28.95	
201912	Mean Well	SP-150-5	+5V @ 0-30A	150W	7.0x3.9x2.0	100	1.0	0.5	3	UL/CUL/TUV/CE/CB/PFC	44.95	41.95	38.95	
202042	Mean Well	SP-200-5	+5V @ 0-40A	200W	7.0x3.9x2.0	100	1.0	0.5	3	UL/CUL/TUV/CE/CB/PFC	49.95	44.95	41.95	
2146126	Seasonic	SS-200MF-5	+5V @ 0-40A	200W	8.5x4.5x2.0	—	1.0	1.0	—	CUL/TUV/CE/CB	59.95	53.95	47.95	
2102490	Mean Well	SP-240-5	+5V @ 0-45A	225W	7.5x3.7x2.0	150	1.0	0.5	3	UL/CUL/TUV/CE/CB/PFC	54.95	49.95	44.95	
216776	Mean Well	S-320-5	+5V @ 0-50A	250W	8.5x4.5x2.0	150	1.0	0.5	2	UL/CUL	69.95	62.95	58.95	
244735	Mean Well	SP-320-5	+5V @ 0-55A at 230VAC; 0-44A at 115VAC	275W	8.5x4.5x2.0	150	1.0	0.5	3	UL/CUL/TUV/CE/CB/PFC	64.95	59.95	54.95	
2146134	Seasonic	SS-300MS-5	+5V @ 0-60A	300W	8.5x4.5x2.0	—	1.0	1.0	—	CUL/TUV/CE/CB	66.95	59.95	56.95	
693644	Mean Well	SP-480-5	+5V @ 0-85A	425W	10.9x5.0x1.7	80	1.0	0.5	3	UL/CUL/TUV/CE/CB/PFC	144.95	129.95	119.95	
374002	Mean Well	SE-600-05	+5V @ 0-100A	500W	9.7x5.0x2.5	150	2.0	0.5	8	UL/CUL	99.95	89.95	84.95	
693661	Mean Well	SP-750-5	+5V @ 0-120A	600W	10.9x5.0x2.5	120	2.0	0.5	3	UL/CUL/TUV/CE/CB	214.95	194.95	179.95	
123415	Mean Well	S-150-7.5	+7.5V @ 0-20A	150W	7.0x4.3x2.0	150	0.5	0.5	2	UL/CUL/TUV/CE/CB	33.95	31.49	28.95	
207212	Mean Well	S-320-7.5	+7.5V @ 0-36A	270W	8.5x4.5x2.0	150	0.5	0.5	2	UL/CUL	69.95	62.95	58.95	
394215	Mean Well	SP-320-7.5	+7.5V @ 0-40A	300W	8.5x4.5x2.0	150	1.0	0.5	3	UL/CUL/TUV/CE/CB/PFC	64.95	59.95	54.95	
693353	Mean Well	S-150-9	+9V @ 0-16.70A	150.3W	7.8x4.3x2.0	180	0.3	0.3	2	UL/CUL/TUV/CE/CB	33.95	31.49	28.95	
1919051	Mean Well	RS-15-12	+12V @ 0-1.3A	15.6W	2.5x2.0x1.1	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	11.95	10.49	9.49	
2120356	Potrans	FS-02512-1M-02	+12V @ 2.1A	25.2W	3.9x3.8x1.3	120	0.05	0.05	—	UL/CUL/CE	12.95	10.95	9.95	
323300	Mean Well	RS-25-12	+12V @ 0-2.1A	25.2W	3.0x2.0x1.1	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	14.95	13.49	12.49	
123255	Mean Well	S-25-12	+12V @ 0-2.1A	25.2W	3.9x3.8x1.4	100	0.5	0.5	2	UL/TUV/CE	17.95	16.49	14.95	
323337	Mean Well	RS-35-12	+12V @ 0-3A	36W	3.9x3.2x1.4	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	16.95	15.49	13.95	
689830	Metapo	1M041C12-1M	+12V @ 0-3.5A	42W	3.9x3.8x1.4	100	0.5	0.5	—	UL/CUL/TUV/CE	16.95	14.95	13.95	
123298	Mean Well	S-40-12	+12V @ 0-3.5A	42W	5.1x3.9x1.5	100	0.5	0.5	2	UL/CUL/TUV/CE/CB	21.95	19.49	17.95	
689821	Metapo	1M051C12-1M	+12V @ 0-4.2A	50W	6.0x3.7x1.5	100	0.5	0.5	—	UL/CUL/TUV/CE	14.95	13.49	11.95	
323396	Mean Well	RS-50-12	+12V @ 0-4.2A	50.4W	3.9x3.8x1.4	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	19.95	17.95	15.95	
123335	Mean Well	S-60-12	+12V @ 0-5A	60W	6.3x3.8x1.5	120	0.5	0.5	2	UL/CUL/TUV/CE/CB	23.95	21.95	19.95	
323599	Mean Well	RS-75-12	+12V @ 0-6A	72W	5.1x3.9x1.5	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	20.95	19.49	18.49	
194838	Mean Well	SP-75-12	+12V @ 0-6.3A	75.6W	7.0x3.9x1.3	80	0.5	0.5	3	UL/CUL/TUV/CE/CB	39.95	35.95	31.95	
2105017	Mean Well	NES-100-12	+12V @ 0-8.5A	102W	6.3x3.8x1.5	120	0.5	0.5	7	UL/CUL/CE/CB	29.95	22.95	20.95	
123386	Mean Well	S-100F-12	+12V @ 0-8.5A	102W	7.8x3.9x1.5	125	0.5	0.5	2	UL/TUV/CE/CB	29.95	26.95	23.95	
323716	Mean Well	RS-100-12	+12V @ 0-8.5A	102W	6.3x3.8x1.5	120	0.5	0.5	3	UL/CUL/TUV/CE/CB	29.95	27.95	25.95	
194803	Mean Well	SP-100-12	+12V @ 0-8.5A	102W	7.0x3.9x1.8	100	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	41.95	38.95	35.95	
123423	Mean Well	S-150-12	+12V @ 0-12.5A	150W	7.0x4.3x2.0	180	0.3	0.3	2	UL/CUL/TUV/CE/CB	33.95	31.49	28.95	
323839	Mean Well	RS-150-12	+12V @ 0-12.5A	150W	7.8x3.9x1.5	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	31.95	28.49	26.95	
173421	Mean Well	SP-150-12	+12V @ 0-12.5A	150W	7.0x3.9x2.0	100	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	44.95	41.95	38.95	
2094848	Mean Well	HRPG-150-12	+12V @ 0-13A	156W	6.3x3.8x1.5	120	0.5	0.3	6	UL/CUL/TUV/CE/CB/PFC	79.95	73.95	68.95	
2138839	Global Tek	SP-200-12GL(R)	+12V @ 0-16.7A	200.4W	7.8x3.9x2.0	100	1.0	0.5	3	UL/CUL/TUV/CE/PFC	29.95	24.95	19.95	
194774	Mean Well	SP-200-12	+12V @ 0-16.7A	200.4W	7.0x3.9x2.0	100	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	49.95	44.95	41.95	
2101497	Mean Well	SP-240-12	+12V @ 0-20A	240W	7.5x3.7x2.0	150	0.5	0.3	3	UL/CUL/TUV/CE/CB/PFC	54.95	49.95	44.95	
207204	Mean Well	S-320-12	+12V @ 0-25A	300W	8.5x4.5x2.0	150	0.5	0.5	2	UL/CUL	69.95	62.95	58.95	

* Primary Output

More Enclosed Switching Power Supplies continued on pages 118-121

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above



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Enclosed Switching AC-to-DC Power Supplies

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Enclosed Switching AC-to-DC Power Supplies (Continued)

★ Web Code: EPS

- 100% full-load burn-in test
- Complete power product specifications available online

† Additional Info:

- 1 G3 Series:** Miniature size, high reliability, suitable for critical applications
 - 70°C operation
 - Withstand 300VAC surge input for 5 sec.
 - Short-circuit/overload/overvoltage protection
 - 88-264VAC @ 47-63Hz
 - 5G vibration
 - Three-year warranty
- 2 G2 Series:** Without CE certification for models more than 200W (except for S-240)
 - 85-264VAC @ 47-63Hz
 - Universal AC input (25-60W), Switch selectable AC input (100W and above), AC input range auto-sensing (240W)
 - Two-year warranty
- 3 PFC Series:** Built-in active Power Factor Correction function
 - Universal AC input
 - Three-year warranty
 - Power factor >0.93
 - 88-264VAC @ 47-63Hz
- 4 Parallel Series:** Built-in remote sense, remote On/Off control & Parallel functions
 - Short-circuit/overvoltage/overload/overtemperature protection
 - 115 & 220V versions @ 47-63Hz
- 5 Parallel Series with PFC:** Same as parallel series with Power Factor Correction
- 6 G5 Series:** Built-in active PFC function
 - 1U low profile 38mm
 - High efficiency up to 89%
 - Withstand 300VAC surge input for 5 sec.
 - 85-264VAC @ 47-63Hz
 - Five-year warranty
- 7 NE Series:** Most economical low wattage solution with safety certificates
 - Short-circuit/overvoltage/overload protection
 - Universal AC input
 - Small size, high power density
 - Two-year warranty
- 8 SE Series:** AC input selectable by switch
 - Forced air cooling by built-in DC fan (SE-350/450)
 - Short-circuit/overvoltage/overload/overtemperature protection
 - Built-in remote sense function (SE350/450)
 - Withstand 300VAC surge input for 5 seconds
 - 100% full load burn-in test
 - Two-year warranty



Part No.	Manufacturer	Mfr. Part No.	Output		Size (L"xW"xH")	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Additional Info (above)†	Certification	Pricing		
			Voltage @ Current (min-max)	Power							1	5	25
Single Output (Continued)													
244743	Mean Well	SP-320-12	+12V @ 0-25A at 230VAC; 0-20A @ 115VAC	300W	8.5x4.5x2.0	150	0.5	0.3	3	UL/CUL/TUV/CE/CB/PFC	\$64.95	\$59.95	\$54.95
2102203	Mean Well	HRP-300-12	+12V @ 0-27A	324W	7.8x4.1x1.6	120	0.5	0.3	3	UL/CUL/TUV/CE/CB/PFC	99.95	95.95	89.95
2094872	Mean Well	HRPG-300-12	+12V @ 0-27A	324W	7.8x4.1x1.6	120	0.5	0.3	6	UL/CUL/TUV/CE/CB/PFC	109.95	102.95	96.95
2094928	Mean Well	SE-450-12	+12V @ 0-37.5A	450W	8.9x4.9x2.0	200	1.0	0.5	8	UL/CUL/TUV/CE/CB/PFC	79.95	74.95	69.95
301373	Mean Well	SP-480-12	+12V @ 0-40A at 230VAC; 0-36A @ 115VAC	480W	10.9x5.0x1.7	120	0.5	0.3	3	UL/CUL/TUV/CE/CB/PFC	144.95	129.95	119.95
190693	Mean Well	SP-500-12	+12V @ 0-40A at 230VAC; 0-34A @ 115VAC	480W	6.7x4.7x3.7	240	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	149.95	134.95	124.95
374011	Mean Well	SE-600-12	+12V @ 0-50A	600W	9.7x5.0x2.5	150	0.5	0.5	8	UL/CUL	99.95	89.95	84.95
374214	Mean Well	PSP-600-12	+12V @ 0-50A	600W	6.7x4.7x3.7	240	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	134.95	124.95	119.95
388631	Mean Well	SCP-600-12	+12V @ 0-50A	600W	11.4x4.7x2.7	120	0.5	0.5	5	UL/CUL/TUV/CE/CB	149.95	134.95	124.95
2094961	Mean Well	HRPG-600-12	+12V @ 0-53A	636W	8.6x4.1x2.5	120	0.5	0.3	6	UL/CUL/TUV/CE/CB/PFC	174.95	159.95	149.95
319944	Mean Well	SP-750-12	+12V @ 0-62A	750W	10.9x5.0x2.5	120	0.5	0.3	3	UL/CUL/TUV/CE/CB	214.95	194.95	179.95
373261	Mean Well	PSP-1500-12	+12V @ 0-112.5A	1350W	10.9x5.1x7.5	150	0.5	0.3	5	UL/CUL/TUV/CE/CB/PFC	299.95	279.95	259.95
202025	Mean Well	S-150-13.5	+13.5V @ 0-11.2A	151.2W	7.0x4.3x2.0	180	0.3	0.3	2	UL/CUL/TUV/CE/CB	33.95	31.49	28.95
394193	Mean Well	SP-150-13.5	+13.5V @ 0-11.2A	151.2W	7.0x3.9x2.0	100	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	44.95	41.95	38.95
212410	Mean Well	SP-200-13.5	+13.5V @ 0-14.9A	201.1W	7.0x3.9x2.0	100	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	49.95	44.95	41.95
693572	Mean Well	S-320-13.5	+13.5V @ 0-22A	297W	8.5x4.5x2.0	150	0.5	0.5	2	UL/CUL	69.95	62.95	58.95
693599	Mean Well	SP-320-13.5	+13.5V @ 0-22A	297W	8.5x4.5x2.0	150	0.5	0.3	3	UL/CUL/TUV/CE/CB/PFC	64.95	59.95	54.95
212389	Mean Well	SP-500-13.5	+13.5V @ 0-36A at 230VAC; 0-30.6A @ 115VAC	486W	6.7x4.7x3.7	240	0.5	0.5	3	UL/CUL/TUV/CE/CB	149.95	134.95	124.95
2105439	Mean Well	AD-155A	+13.8V @ 0-5A 10.5A	151.6W	7.8x4.3x2.0	150	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	59.95	54.95	49.95
1919060	Mean Well	RS-15-15	+15V @ 0-1A	15W	2.5x2.0x1.1	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	11.95	10.49	9.49
123263	Mean Well	S-25-15	+15V @ 0-1.7A	25.5W	3.9x3.8x1.4	100	0.5	0.5	2	UL/TUV/CE	17.95	16.49	14.95
323302	Mean Well	RS-25-15	+15V @ 0-1.7A	25.5W	3.0x2.0x1.1	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	14.95	13.49	12.49
323345	Mean Well	RS-35-15	+15V @ 0-2.4A	36W	3.9x3.2x1.4	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	16.95	15.49	13.95
155053	Skyrnet	SNP-9548-M1	+15V @ 2.6A	39W	5.0x3.0x1.2	100	1.0	1.0	—	UL/CUL/CSA	14.95	12.95	10.95
202140	Mean Well	S-40-15	+15V @ 0-2.8A	42W	5.1x3.9x1.5	100	0.5	0.5	2	UL/CUL/TUV/CE/CB	21.95	19.49	17.95
323409	Mean Well	RS-50-15	+15V @ 0-3.4A	51W	3.9x3.8x1.4	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	19.95	17.95	15.95
123343	Mean Well	S-60-15	+15V @ 0-4A	60W	6.3x3.8x1.5	150	0.5	0.5	2	UL/CUL/TUV/CE/CB	23.95	21.95	19.95
323602	Mean Well	RS-75-15	+15V @ 0-5A	75W	5.1x3.9x1.5	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	20.95	19.49	18.49
194845	Mean Well	SP-75-15	+15V @ 0-5A	75W	7.0x3.8x1.3	80	0.5	0.5	3	UL/CUL/TUV/CE/CB	39.95	35.95	31.95
212450	Mean Well	S-100F-15	+15V @ 0-6.7A	100.5W	7.8x3.9x1.5	125	0.5	0.5	2	UL/CUL/TUV/CE/CB	29.95	26.95	23.95
212433	Mean Well	SP-100-15	+15V @ 0-6.7A	100.5W	7.0x3.9x1.8	100	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	41.95	38.95	35.95
323724	Mean Well	RS-100-15	+15V @ 0-7A	105W	6.3x3.8x1.5	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	29.95	27.95	25.95
123432	Mean Well	S-150-15	+15V @ 0-10A	150W	7.0x4.3x2.0	180	0.3	0.3	2	UL/CUL/TUV/CE/CB	33.95	31.49	28.95
323847	Mean Well	RS-150-15	+15V @ 0-10A	150W	7.8x3.9x1.5	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	31.95	28.49	26.95
173412	Mean Well	SP-150-15	+15V @ 0-10A	150W	7.0x3.9x2.0	100	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	44.95	41.95	38.95
2094856	Mean Well	HRPG-150-15	+15V @ 0-10A	150W	6.3x3.8x1.5	150	0.5	0.3	6	UL/CUL/TUV/CE/CB/PFC	79.95	73.95	68.95
202060	Mean Well	SP-200-15	+15V @ 0-13.4A	201W	7.0x3.9x2.0	100	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	49.95	44.95	41.95

* Primary Output

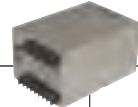
More Enclosed Switching Power Supplies on pages 117 & 119-121

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Enclosed Switching AC-to-DC Power Supplies



Enclosed Switching AC-to-DC Power Supplies (Continued)



SP-500

* Web Code: EPS

			Output		Size	Ripple & Noise	Load Reg.	Line Reg.	Additional Info		Pricing		
Part No.	Manufacturer	Mfr. Part No.	Voltage @ Current(min-max)	Power	(L"xW"xH")	(mV p-p)*	(±%)*	(±%)*	Pg. 118†	Certification	1	5	25
Single Output (Continued)													
374993	Mean Well	S-320-15	+15V @ 0-20A	300W	8.5x4.5x2.0	150	0.5	0.5	2	UL/CUL	\$69.95	\$62.95	\$58.95
693610	Mean Well	SP-320-15	+15V @ 0-20A	300W	8.5x4.5x2.0	150	0.5	0.3	3	UL/CUL/TUV/CE/CB/PFC	64.95	59.95	54.95
693652	Mean Well	SP-480-15	+15V @ 0-35A	480W	10.9x5.0x1.7	150	0.5	0.3	3	UL/CUL/TUV/CE/CB/PFC	144.95	129.95	119.95
291522	Mean Well	SE-600-15	+15V @ 0-40A	600W	9.7x5.0x2.5	150	0.5	0.5	8	UL/CUL	99.95	89.95	84.95
374222	Mean Well	PSP-600-15	+15V @ 0-40A	600W	6.7x4.7x3.7	240	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	134.95	124.95	119.95
2094901	Mean Well	HRPG-600-15	+15V @ 0-43A	645W	8.6x4.1x2.5	150	0.5	0.3	6	UL/CUL/TUV/CE/CB/PFC	174.95	159.95	149.95
694920	Mean Well	RSP-1500-15	+15V @ 0-100A	1500W	10.9x5.0x3.3	150	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	399.95	374.95	354.95
1919078	Mean Well	RS-15-24	+24V @ 0-0.625A	15W	2.5x2.0x1.1	200	0.5	0.5	1	UL/CUL/TUV/CE/CB	11.95	10.49	9.49
123272	Mean Well	S-25-24	+24V @ 0-1.1A	26.4W	3.9x3.8x1.4	100	0.5	0.5	2	UL/TUV/CE	17.95	16.49	14.95
323311	Mean Well	RS-25-24	+24V @ 0-1.1A	26.4W	3.0x2.0x1.1	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	14.95	13.49	12.49
323353	Mean Well	RS-35-24	+24V @ 0-1.5A	36W	3.9x3.2x1.4	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	16.95	15.49	13.95
689792	Metapo	1M041C24-1M	+24V @ 0-1.8A	43W	4.8x3.8x1.5	100	0.5	0.5	—	UL/CUL/TUV/CE	14.95	13.49	11.95
123319	Mean Well	S-40-24	+24V @ 0-1.8A	43W	5.1x3.9x1.5	100	0.5	0.5	2	UL/CUL/TUV/CE/CB	21.95	19.49	17.95
2104225	Mean Well	NES-50-24	+24V @ 0-2.2A	52.8W	5.1x3.9x1.5	200	0.5	0.5	7	UL/CUL/CE/CB	19.95	16.95	13.95
323417	Mean Well	RS-50-24	+24V @ 0-2.2A	52.8W	3.9x3.8x1.4	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	19.95	17.95	15.95
123352	Mean Well	S-60-24	+24V @ 0-2.5A	60W	6.3x3.8x1.5	150	0.5	0.5	2	UL/CUL/TUV/CE/CB	23.95	21.95	19.95
323620	Mean Well	RS-75-24	+24V @ 0-3.2A	76.8W	5.1x3.9x1.5	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	20.95	19.49	18.49
2104250	Mean Well	NES-75-24	+24V @ 0-3.2A	76.8W	6.3x3.8x1.5	200	0.5	0.5	7	UL/CUL/CE/CB	19.95	17.49	15.95
194854	Mean Well	SP-75-24	+24V @ 0-3.2A	76.8W	7.0x3.9x1.3	100	0.5	0.5	3	UL/CUL/TUV/CE/CB	39.95	35.95	31.95
194812	Mean Well	SP-100-24	+24V @ 0-4.2A	100.8W	7.0x3.9x1.8	150	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	41.95	38.95	35.95
201971	Mean Well	S-100F-24	+24V @ 0-4.5A	108W	7.8x3.9x1.5	150	0.5	0.5	2	UL/TUV/CE/CB	29.95	26.95	23.95
323732	Mean Well	RS-100-24	+24V @ 0-4.5A	108W	6.3x3.8x1.5	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	29.95	27.95	25.95
155651	Power One	MAP110-1024CM	+24V @ 5A or +28V @ 4.3A	110W	7.0x4.3x1.8	240	0.5	1.0	—	UL/CSA/TUV	21.95	18.95	16.95
1945920	APS	RP1150-24C	+24V @ 0-6.25A	150W	7.5x4.2x2.0	100	1.0	1.0	—	UL/CE	21.95	18.95	16.95
173404	Mean Well	SP-150-24	+24V @ 0-6.25A	150W	7.0x3.9x2.0	150	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	44.95	41.95	38.95
371012	Potrans	GL150W-24-NC	+24V @ 6.5A	156W	7.8x3.7x2.5	180	2.0	2.0	—	UL/CUL/TUV/CE	24.95	22.49	19.95
123450	Mean Well	S-150-24	+24V @ 0-6.5A	156W	7.0x4.3x2.0	240	0.2	0.2	2	UL/CUL/TUV/CE/CB	33.95	31.49	28.95
323855	Mean Well	RS-150-24	+24V @ 0-6.5A	156W	7.8x3.9x1.5	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	31.95	28.49	26.95
2094864	Mean Well	HRPG-150-24	+24V @ 0-6.5A	156W	6.3x3.8x1.5	150	0.5	0.3	6	UL/CUL/TUV/CE/CB/PFC	79.95	73.95	68.95
2135523	TDK/Lambda	HWS150-24/A	+24V @ 0-6.5A	156W	6.3x1.7x3.2	150	0.5	0.3	—	UL/CSA/CE/EN/IEC	79.95	71.95	64.95
194782	Mean Well	SP-200-24	+24V @ 0-8.4A	201.6W	7.0x3.9x2.0	150	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	49.95	44.95	41.95
2104583	Mean Well	S-250-24	+24V @ 0-10A	240W	5.9x5.5x3.4	120	0.5	0.5	2	UL/CUL	46.95	43.95	41.95
2101518	Mean Well	SP-240-24	+24V @ 0-10A	240W	7.5x3.7x2.0	150	0.5	0.2	3	UL/CUL/TUV/CE/CB/PFC	54.95	49.95	44.95
196657	Mean Well	S-320-24	+24V @ 0-12.5A	300W	8.5x4.5x2.0	150	0.5	0.5	2	UL/CUL	69.95	62.95	58.95
244752	Mean Well	SP-320-24	+24V @ 0-13A	312W	8.5x4.5x2.0	150	0.5	0.2	3	UL/CUL/TUV/CE/CB/PFC	64.95	59.95	54.95
2102220	Mean Well	HRP-300-24	+24V @ 0-14A	336W	7.7x4.1x1.6	150	0.5	0.2	3	UL/CUL/TUV/CE/CB/PFC	99.95	94.95	89.95
2094881	Mean Well	HRPG-300-24	+24V @ 0-14A	336W	7.8x4.1x1.6	150	0.5	0.3	6	UL/CUL/TUV/CE/CB/PFC	109.95	102.95	96.95
2101606	Mean Well	SE-450-24	+24V @ 0-18.8A	451.2W	8.9x4.9x2.0	200	0.5	0.2	8	UL/CUL	79.95	74.95	69.95
2122335	Mean Well	HRP-450-24	+24V @ 0-18.8A	451.2W	8.6x4.1x1.6	150	0.5	0.2	6	UL/CUL/TUV/CE/CB/PFC	139.95	124.95	114.95
301322	Mean Well	SP-480-24	+24V @ 0-22A	480W	10.9x5.0x1.7	150	0.5	0.2	3	UL/CUL/TUV/CE/CB/PFC	144.95	129.95	119.95
147054	Mean Well	SP-500-24	+24V @ 0-20A	480W	6.7x4.7x3.7	240	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	149.95	134.95	124.95
295902	Mean Well	SE-600-24	+24V @ 0-25A	600W	9.7x5.0x2.5	150	0.5	0.5	8	UL/CUL	99.95	89.95	84.95
374231	Mean Well	PSP-600-24	+24V @ 0-25A	600W	6.7x4.7x3.7	240	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	134.95	124.95	119.95
320048	Mean Well	SP-750-24	+24V @ 0-31.3A	750W	10.9x5.0x2.5	120	0.5	0.2	3	UL/CUL/TUV/CE/CB	214.95	194.95	179.95
1585717	Mean Well	RSP-1000-24	+24V @ 0-40A	960W	11.6x5.0x1.6	150	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	269.95	254.95	244.95
2101569	Mean Well	RE-1000-24	+24V @ 0-41.7A	1000.8W	10.9x5.0x2.5	200	0.5	0.5	4	UL/CUL	189.95	179.95	169.95
694938	Mean Well	RSP-1500-24	+24V @ 0-63A	1512W	10.9x5.0x3.3	150	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	399.95	374.95	354.95
693409	Mean Well	SP-75-27	+27V @ 0-2.8A	75.6W	7.0x3.9x1.3	100	0.5	0.5	3	UL/CUL/TUV/CE/CB	39.95	35.95	31.95
202033	Mean Well	S-150-27	+27V @ 0-5.6A	151.2W	7.0x4.3x2.0	240	0.2	0.2	2	UL/CUL/TUV/CE/CB	33.95	31.49	28.95
693513	Mean Well	SP-150-27	+27V @ 0-5.6A	151.2W	7.8x3.9x2.0	150	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	44.95	41.95	38.95
693548	Mean Well	SP-200-27	+27V @ 0-7.5A	202.5W	7.0x3.9x2.0	150	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	49.95	44.95	41.95
693581	Mean Well	S-320-27	+27V @ 0-11.0A	297W	8.5x4.5x2.0	200	0.5	0.5	2	UL/CUL	69.95	62.95	58.95
693628	Mean Well	SP-320-27	+27V @ 0-11.7A	315.9W	8.5x4.5x2.0	200	0.5	0.2	3	UL/CUL/TUV/CE/CB/PFC	64.95	59.95	54.95
190706	Mean Well	SP-500-27	+27V @ 0-18A	486W	6.7x4.7x3.7	200	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	149.95	134.95	124.95
295911	Mean Well	SE-600-27	+27V @ 0-22.2A	599.4W	9.7x5.0x2.5	150	0.5	0.5	8	UL/CUL	99.95	89.95	84.95
374257	Mean Well	PSP-600-27	+27V @ 0-22.2A	600W	6.7x4.7x3.7	240	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	134.95	124.95	119.95
374038	Mean Well	SP-750-27	+27V @ 0-27.8A	750W	10.9x5.0x2.5	120	0.5	0.2	3	UL/CUL/TUV/CE/CB	214.95	194.95	179.95
231652	Mean Well	PSP-1000-27	+27V @ 0-33.6A	907.2W	10.9x5.1x5.0	150	0.5	0.2	5	UL/CUL/TUV/CE/CB/PFC	299.95	279.95	259.95

* Primary Output

More Enclosed Switching Power Supplies on pages 117-118 & 120-121

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

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Enclosed Switching AC-to-DC Power Supplies (Continued)



SP-200

★ Web Code: EPS

Part No.	Manufacturer	Mfr. Part No.	Output		Size (L"xW"xH")	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Additional Info (Pg 118)†	Certification	Pricing		
			Voltage @ Current (min-max)	Power							1	5	25
Single Output (Continued)													
1585709	Mean Well	RSP-1000-27	+27V @ 0-37.0A	999W	11.6x5.0x1.6	150	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	\$269.95	\$254.95	\$244.95
694946	Mean Well	RSP-1500-27	+27V @ 0-56A	1512W	10.9x5.0x3.3	150	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	399.95	374.95	354.95
2102983	Mean Well	PB-120N-27C#	+27.6V @ 0-4.3A	118.7W	7.1x3.8x1.9	150	\$	\$	—	UL/CUL/TUV/CE/CB	69.95	62.95	56.95
2102473	Mean Well	SP-240-30	+30V @ 0-8A	240W	7.5x3.7x2.0	150	0.5	0.2	3	UL/CUL/TUV/CE/CB/PFC	54.95	49.95	44.95
2101024	Mean Well	HRP-75-36	+36V @ 0-2.1A	75.6W	5.1x3.9x1.5	200	0.5	0.2	3	UL/CUL/TUV/CE/CB	49.95	46.95	43.95
2101753	Mean Well	HRPG-600-36	+36V @ 0-17.5A	630W	8.6x4.1x2.5	200	0.5	0.2	3	UL/CUL/TUV/CE/CB/PFC	174.95	159.95	149.95
693206	Mean Well	RS-25-48	+48V @ 0-0.57A	27.4W	3.1x2.0x1.1	200	0.5	0.5	1	UL/CUL/TUV/CE/CB	14.95	13.49	12.49
693249	Mean Well	RS-50-48	+48V @ 0-1.1A	52.8W	3.9x3.8x1.4	200	0.5	0.5	1	UL/CUL/TUV/CE/CB	19.95	17.95	15.95
216805	Mean Well	SP-75-48	+48V @ 0-1.6A	76.8W	7.0x3.9x1.3	100	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	39.95	35.95	31.95
216793	Mean Well	S-100F-48	+48V @ 0-2.2A	105.6W	7.8x3.9x1.5	150	0.5	0.5	2	UL/TUV/CE/CB	29.95	26.95	23.95
167346	Mean Well	S-150-48	+48V @ 0-3.2A	153.6W	7.0x4.3x2.0	240	0.2	0.2	2	UL/CUL/TUV/CE/CB	33.95	31.49	28.95
201929	Mean Well	SP-150-48	+48V @ 0-3.2A	154W	7.0x3.9x2.0	250	0.5	0.5	3	UL/CUL/TUV/CE	24.95	22.49	19.95
201930	Mean Well	SP-150-48	+48V @ 0-3.2A	153.6W	7.0x3.9x2.0	250	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	44.95	41.95	38.95
323863	Mean Well	RS-150-48	+48V @ 0-3.3A	158.4W	7.8x3.9x1.5	200	0.5	0.5	1	UL/CUL/TUV/CE/CB	31.95	28.49	26.95
202068	Mean Well	SP-200-48	+48V @ 0-4.2A	201.6W	7.0x3.9x2.0	250	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	49.95	44.95	41.95
2102481	Mean Well	SP-240-48	+48V @ 0-5A	240W	7.5x3.7x2.0	150	0.5	0.2	3	UL/CUL/TUV/CE/CB/PFC	54.95	49.95	44.95
207191	Mean Well	S-320-48	+48V @ 0-6.5A	312W	8.5x4.5x2.0	240	0.5	0.5	2	UL/CUL	69.95	62.95	58.95
244770	Mean Well	SP-320-48	+48V @ 0-6.7A	321.6W	8.5x4.5x2.0	240	0.5	0.2	3	UL/CUL/TUV/CE/CB/PFC	64.95	59.95	54.95
2105164	Mean Well	SE-450-48	+48V @ 0-9.4A	451.2W	8.9x4.9x2.0	200	0.5	0.2	8	UL/CUL	79.95	74.95	69.95
301402	Mean Well	SP-480-48	+48V @ 0-11A	480W	10.9x5.0x1.7	240	0.5	0.2	3	UL/CUL/TUV/CE/CB/PFC	144.95	129.95	119.95
161796	Mean Well	SP-500-48	+48V @ 0-10A	480W	6.7x4.7x3.7	300	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	149.95	134.95	124.95
295929	Mean Well	SE-600-48	+48V @ 0-12.5A	600W	9.7x5.0x2.5	200	0.5	0.5	8	UL/CUL	99.95	89.95	84.95
374249	Mean Well	PSP-600-48	+48V @ 0-12.5A	600W	6.7x4.7x3.7	240	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	134.95	124.95	119.95
217350	Mean Well	PSP-1000-48	+48V @ 0-19.0A	912W	10.9x5.1x5.0	200	0.5	0.2	5	UL/CUL/TUV/CE/CB/PFC	299.95	279.95	259.95
2101577	Mean Well	SE-1000-48	+48V @ 0-20.8A	998.4W	10.9x5.0x2.5	200	0.5	0.5	8	UL/CUL	189.95	179.95	169.95
1585725	Mean Well	RSP-1000-48	+48V @ 0-21.0A	1008W	11.6x5.0x1.6	150	0.5	0.5	5	UL/CUL/TUV/CE/CB	269.95	254.95	244.95
231722	Mean Well	PSP-1500-48	+48V @ 0-28.5A	1368W	10.9x5.1x7.5	200	0.5	0.2	5	UL/CUL/TUV/CE/CB/PFC	299.95	279.95	259.95
694954	Mean Well	RSP-1500-48	+48V @ 0-32.0A	1536W	10.9x5.0x3.3	200	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	399.95	374.95	354.95
2108921	Mean Well	RSP-3000-48	+48V @ 0-62.5A	3000W	10.9x7.0x2.5	200	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	579.95	534.95	499.95
Double Output													
323362	Mean Well	RD-35A	+5V @ 0.3-4A; +12V @ 0.2-1A	32W	3.9x3.2x1.4	80	0.5	0.5	1	UL/CUL/TUV/CE/CB	\$19.95	\$18.49	\$17.49
323380	Mean Well	RD-35B	+5V @ 0.3-4A; +24V @ 0.2-1.3A	51.2W	3.9x3.2x1.4	80	0.5	0.5	1	UL/CUL/TUV/CE/CB	19.95	18.49	17.49
323425	Mean Well	RD-50A	+5V @ 0.3-6A; +12V @ 0.3-3A	54W	3.9x3.8x1.4	80	0.5	0.5	1	UL/CUL/TUV/CE/CB	22.95	21.49	20.49
323433	Mean Well	RD-50B	+5V @ 0.3-6A; +24V @ 0.2-2A	53.6W	3.9x3.8x1.4	80	0.5	0.5	1	UL/CUL/TUV/CE/CB	22.95	21.49	20.49
123458	Mean Well	D-60A	+5V @ 0.3-4A; +12V @ 0.2-3A	56W	6.3x3.8x1.5	75	0.5	0.5	2	UL/CUL/TUV/CE/CB	32.95	26.95	22.95
123466	Mean Well	D-60B	+5V @ 0.3-3A; +24V @ 0.2-1.8A	58W	6.3x3.8x1.5	75	0.5	0.5	2	UL/CUL/TUV/CE/CB	32.95	26.95	22.95
323505	Mean Well	RD-65A	+5V @ 0.3-8A; +12V @ 0.2-4A	66W	5.1x3.9x1.5	80	0.5	0.5	1	UL/CUL/TUV/CE/CB	25.95	23.49	21.95
323513	Mean Well	RD-65B	+5V @ 0.3-8A; +24V @ 0.2-3A	68W	5.1x3.9x1.5	80	0.5	0.5	1	UL/CUL/TUV/CE/CB	25.95	23.49	21.95
323628	Mean Well	RD-85A	+5V @ 2.0-10A; +12V @ 0.3-5A	88W	6.3x3.8x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	37.95	34.49	32.49
132410	Mean Well	D-120A	+5V @ 2.0-12A; +12V @ 0.5-5A	120W	7.0x3.9x2.0	60	0.5	0.5	2	UL/CUL/TUV/CE/CB	44.95	37.95	34.95
132397	Mean Well	D-120B	+5V @ 2.0-6A; +24V @ 0.4-4A	126W	7.0x3.9x2.0	60	0.5	0.5	2	UL/CUL/TUV/CE/CB	44.95	37.95	34.95
323741	Mean Well	RD-125A	+5V @ 2.0-15A; +12V @ 0.5-10A	130.9W	7.8x3.9x1.5	80	3.0	1.0	1	UL/CUL/TUV/CE/CB	38.95	35.49	33.49
323759	Mean Well	RD-125B	+5V @ 2.0-10A; +24V @ 0.4-5A	133.4W	7.8x3.9x1.5	80	3.0	1.0	1	UL/CUL/TUV/CE/CB	38.95	35.49	33.49
2106124	Mean Well	RD-125-1224	+12V @ 1.0-3.7A; +24V @ 0.4-3.7A	133.2W	7.8x3.9x1.5	120	1.0	0.5	1	UL/CUL/TUV/CE/CB	38.95	35.49	33.49
Triple Output													
201989	Mean Well	T-40A	+5V @ 0.6-3A; +12V @ 0.2-2A; -5V @ 0.1-0.5A	41.5W	5.1x3.9x1.5	100	0.5	0.5	2	CSA/CE	\$31.95	\$26.95	\$22.95
201997	Mean Well	T-40B	+5V @ 0.6-3A; +12V @ 0.2-2A; -12V @ 0.1-0.5A	45W	5.1x3.9x1.5	100	0.5	0.5	2	CSA/CE	31.95	26.95	22.95
202009	Mean Well	T-40C	+5V @ 0.6-3A; +15V @ 0.2-1.5A; -15V @ 0.1-0.5A	45W	5.1x3.9x1.5	100	0.5	0.5	2	CSA/CE	31.95	26.95	22.95
323460	Mean Well	RT-50B	+5V @ 0.5-5A; +12V @ 0.2-2.5A; -12V @ 0.1-1A	50W	3.9x3.8x1.4	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	24.95	21.95	19.49
323468	Mean Well	RT-50C	+5V @ 0.5A; +15V @ 0.2-2A; -15V @ 0.1-1A	50W	3.9x3.8x1.4	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	24.95	21.95	19.49
323476	Mean Well	RT-50D	+5V @ 0.5-5A; +12V @ 0.1-1A; +24V @ 0.2-1.5A	51W	3.9x3.8x1.4	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	24.95	21.95	19.49
123482	Mean Well	T-60B	+5V @ 0.5-5A; +12V @ 0.2-2.5A; -12V @ 0-0.5A	61W	6.3x3.8x1.5	100	1.0	0.5	2	UL/CUL/TUV/CE/CB	34.95	28.95	23.95
123491	Mean Well	T-60C	+5V @ 0.5-5A; +15V @ 0.2-2A; -15V @ 0-0.5A	62.5W	6.3x3.8x1.5	100	1.0	0.5	2	UL/CUL/TUV/CE/CB	34.95	28.95	23.95
323540	Mean Well	RT-65B	+5V @ 0.5-8A; +12V @ 0.2-3.5A; -12V @ 0-1A	64.6W	5.1x3.9x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	27.95	25.95	24.49
323548	Mean Well	RT-65C	+5V @ 0.5-8A; +15V @ 0.2-3A; -15V @ 0-1A	65.5W	5.1x3.9x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	27.95	25.95	24.49
323555	Mean Well	RT-65D	+5V @ 0.5-8A; +12V @ 0.1-1A; +24V @ 0.2-2A	68W	5.1x3.9x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	27.95	25.95	24.49

* Primary Output # See complete specs on page 127 \$ Load line regulation is dependent on battery current requirement

More Enclosed Switching Power Supplies on page 117-119 & 121

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Enclosed Switching AC-to-DC Power Supplies



Enclosed Switching AC-to-DC Power Supplies (Continued)



RQ-65

★ Web Code: EPS

Part No.	Manufacturer	Mfr. Part No.	Output		Size (L"xW"xH")	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Additional Info (Pg 118)†	Certification	Pricing		
			Voltage @ Current (min-max)	Power							1	5	25
Triple Output (Continued)													
323775	Mean Well🌿	RT-125B	+5V @ 2-15A; +12V @ 0.5-6A; -12V @ 0.1-1A	132W	7.8x3.9x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	\$39.95	\$37.49	\$35.49
323783	Mean Well🌿	RT-125C	+5V @ 2-15A; +15V @ 0.5-6A; -15V @ 0.1-1A	132.5W	7.8x3.9x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	39.95	37.49	35.49
323792	Mean Well🌿	RT-125D	+5V @ 2-15A; +12V @ 0.1-2A; +24V @ 0.4-4A	136W	7.8x3.9x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	39.95	37.49	35.49
Quad Output													
323484	Mean Well🌿	RQ-50B	+5V @ 0.5-6A; +12V @ 0.2-1.5A; -5V @ 0-1A; -12V @ 0-1A	45.5W	3.9x3.8x1.4	80	0.5	0.5	1	UL/CUL/TUV/CE/CB	\$26.95	\$23.95	\$21.95
323564	Mean Well🌿	RQ-65B	+5V @ 0.5-8A; +12V @ 0.2-3A; -5V @ 0-1A; -12V @ 0-1A	62.5W	5.1x3.9x1.5	80	0.5	0.5	1	UL/CUL/TUV/CE/CB	29.95	26.95	24.95
323572	Mean Well🌿	RQ-65D	+5V @ 0.5-8A; +12V @ 0.2-3A; +24V @ 0.1-1.5A; -12V @ 0-1A	68W	5.1x3.9x1.5	80	0.5	0.5	1	UL/CUL/TUV/CE/CB	29.95	26.95	24.95
323695	Mean Well🌿	RQ-85D	+5V @ 2-10A; +12V @ 0.3-4A; +24V @ 0.1-1.5A; -12V @ 0-1A	84W	6.3x3.8x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	39.95	36.95	34.95
132389	Mean Well🌿	Q-120B	+5V @ 2-11A; +12V @ 0.5-4A; -5V @ 0.2-1A; -12V @ 0.2-1A	120W	7.0x3.9x2.0	80	0.5	0.5	2	UL/CUL/TUV/CE/CB	39.95	35.95	32.95
132371	Mean Well🌿	Q-120D	+5V @ 2-8A; +12V @ 0.2-2A; +24V @ 0.2-2A; -12V @ 0.2-1A	124W	7.0x3.9x2.0	80	0.5	0.5	2	UL/CUL/TUV/CE/CB	54.95	44.95	38.95
323812	Mean Well🌿	RQ-125D	+5V @ 2-12A; +12V @ 0.5-4A; +24V @ 0.1-2.5A; -12V @ 0-1A	124W	7.8x3.9x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	43.95	39.95	37.95
213648	Mean Well🌿	QP-150F	+5V @ 3-10A; +15V @ 0-3A; +24V @ 0.4-2A; -15V @ 0-0.6A	152W	7.8x3.9x1.5	120	2.0	1.0	3	UL/CUL/TUV/CE/CB/PFC	104.95	94.95	84.95
213752	Mean Well🌿	QP-200D	+5V @ 3-15A; +12V @ 0-4A +24V @ 0.4-3A; -12V @ 0-0.7A	204.9W	7.8x3.9x2.0	100	2.0	1.0	3	UL/CUL/TUV/CE/CB/PFC	129.95	109.95	89.95
668764	Mean Well🌿	QP-320D	+5V @ 2.5-20A; +12V @ 0-10A; +24V @ 0.2-5A; -12V @ 0.2-2A	316W	8.5x4.5x2.0	100	2.0	1.0	3	UL/CUL/TUV/CE/PFC	154.95	139.95	124.95

*Primary Output

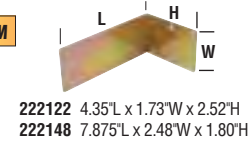
Power

Mounting Brackets & Accessories for Mean Well Enclosed Switching AC-to-DC Power Supplies

All brackets use metric screws: 2-F3 x 6, 2-F4 x 6, 2-T3 x 6, 2-T4 x 6 and 8-T4 x 6 (not included)

★ Web Code: MBM

Part No.	Product No.	For Models	1	10
222122	DRL-01	S-25/40, RS-25/35	\$.99	\$.89
222148	DRL-03	S-240/320, SP-320	1.95	1.75
222173	DRP-03	All Models	1.49	1.25
222182	MHS012	S-320/350, SP-100/150/200/320	.49	.39
222199	MHS025	SP-500, PSP-600	.59	.49
248736	2094.0	DR, DRH, DRP, DRT, MDR	7.95	6.95



Mating Connector

 103588 \$1.70/10
 Spade Solderless Terminal

Crimp Tool

 72996 \$24.95
 Solderless Terminal Crimp Tool

Pricing & specs on page 72

Encapsulated Switching Power Supplies

★ Web Code: ESP



PM-05 and PM-10 Series:

- Universal AC input (85-264VAC @ 47Hz)
- Short-circuit, overload, overvoltage protection
- Ultra-miniature size
- UL/CUL/TUV/CE/CB
- Cooling by free air convection
- 100% full-load burn-in test
- Three-year warranty



Part No.	Manufacturer	Mfr. P/N	Output		Pins	Ripple & Noise (mVp-p)	Load Reg. (±%)	Line Reg. (±%)	Size (L" x W" x H")	Pricing		
			Volt. @ Curr. (min-max)	Pwr (W)						1	5	25
1954527	Mean Well	PM-05-12	+12V @ 0-0.42A	5.04	4	150	1.0	0.5	2.5 x 2.0 x 0.8	\$15.95	\$14.49	\$12.95
1954551	Mean Well	PM-10-12	+12V @ 0-0.85A	10.2	4	150	1.0	0.5	2.8 x 2.0 x 0.9	16.95	14.95	13.49
1954535	Mean Well	PM-05-24	+24V @ 0-0.23A	5.52	4	240	0.5	0.5	2.5 x 2.0 x 0.8	15.95	14.95	13.49
1954560	Mean Well	PM-10-24	+24V @ 0-0.42A	10.1	4	240	0.5	0.5	2.8 x 2.0 x 0.9	16.95	14.95	13.49

BEST SELLING – ENCLOSED AC-TO-DC SWITCHING POWER SUPPLIES

P/N 244743 SP-320-12 \$64.95 (pg.118)
 P/N 2101518 SP-240-24 \$54.95 (pg.119)
 P/N 320048 SP-750-24 \$214.95 (pg.119)



P/N 1585709 RSP-1000-27 \$269.95 (pg.120)
 P/N 295929 SE-600-48 \$99.95 (pg.120)
 P/N 132389 Q-120B \$39.95 (pg.121)

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

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Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

Jameco carries the full line of Mean Well Power products. For additional products visit www.Jameco.com/meanwellproducts



LED Enclosed Power Supplies

For Indoor and Outdoor Applications

- Suitable for LED lighting & moving sign application
- Short-circuit/overload/overvoltage/overtemperature protection

- Input voltage: 90-264VAC @ 47-63Hz (except P/N 2120233: 120VAC @ 50/60Hz)
- 100% full-load burn-in test
- Universal AC input/full range
- Cooling by free air convection
- UL1310 class 2 power unit

LPC/LPV/ELN/PLN Series

- Plastic case
- Working temperature: -30°C to 50°C

- Constant voltage and current
- Inrush current: 40A/230VAC

- Two-year warranty

CLG Series

- Metal case
- Working temperature: -30°C to 70°C

- Adjustable voltage and current
- Inrush current: 40A/230VAC

- Built-in active PFC function
- Three-year warranty

HLG Series

- Metal case
- Working temperature: -30°C to 60°C

- Adjustable voltage and constant current
- Inrush current: 75A/230VAC

- Built-in active PFC function
- Three-year warranty

PLP Series

- Open frame
- Working temperature: -30°C to 70°C

- Output current level adjustable
- Inrush current: 42A/230VAC

- Built-in PFC function
- Two-year warranty

PLC Series

- Plastic case
- Working temperature: -30°C to 50°C

- Adjustable voltage and current
- Inrush current: 40A/230VAC

- Built-in constant current limiting circuit
- Two-year warranty

LPF Series

- Plastic case
- Working temperature: -40°C to 70°C

- Built-in active PFC function
- Inrush current: 75A/230VAC

- Three-year warranty



PLN Series



* Web Code: LPP

Part No.	Manufacturer	Mfr. Part No.	Output		Size (L" x W" x H")	Enclosure Rating	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing		
			Voltage @ Current (min-max)	Power (W)							1	5	25
2103222	Mean Well	LPV-20-5	+5V @ 0-3A	15	4.6 x 1.4 x 1.0	IP67	80	2.0	1.0	UL/CUL/TUV/CSA/CE	\$11.49	\$10.49	\$9.49
2103821	Mean Well	PLC-30-9	+9V @ 0-3.3A	29.7	6.3 x 1.8 x 1.2	—	2600	5.0	3.0	UL/CUL/TUV/CSA/CE/PFC	25.95	23.95	22.49
2105287	Mean Well	ELN-30-9	+9V @ 0-3.4A	30.6	5.7 x 1.9 x 1.2	IP64	100	2.0	1.0	UL/TUV/CSA/CE	21.95	19.49	18.49
2101315	Mean Well	LPC-60-1400	+9-42V @ 1.4A	58.8	6.4 x 1.7 x 1.3	IP67	200	2.0	1.0	UL/CUL/TUV/CE	21.95	18.95	17.95
2101307	Mean Well	LPC-35-700	+9-48V @ 0.7A	33.6	5.8 x 1.6 x 1.2	IP67	200	2.0	1.0	UL/TUV/CE	18.95	16.49	15.49
2120233	Advance	LED120A0012V10F†	+12V @ 1A	12	5.2 x 1.3 x 1.0	IP66	2000	5.0	1.0	UL/CUL/CSA	12.95	11.49	9.95
2102596	Mean Well	LPV-20-12	+12V @ 0-1.67A	20	4.6 x 1.4 x 1.0	IP67	120	2.0	1.0	UL/CUL/TUV/CSA/CE	11.49	10.49	9.49
1954404	Mean Well	PLN-30-12	+12V @ 0-2.5A	30	5.7 x 1.9 x 1.2	IP64	2000	5.0	3.0	UL/CUL/TUV/CE	26.95	24.49	23.49
2103142	Mean Well	LPV-35-12	+12V @ 0-3A	36	5.8 x 1.6 x 1.2	IP67	120	2.0	1.0	UL/CUL/TUV/CSA/CE	17.95	15.49	14.49
2122976	Mean Well	PLN-45-12	+12V @ 0-3.8A	45.6	7.1 x 2.4 x 1.3	IP64	2000	5.0	3.0	UL/CUL/TUV/CE/PFC	24.95	22.95	18.95
2103169	Mean Well	LPV-60-12	+12V @ 0-5A	60	6.4 x 1.7 x 1.3	IP67	120	2.0	1.0	UL/CUL/TUV/CSA/CE	19.95	17.95	16.95
2105308	Mean Well	ELN-60-12	+12V @ 0-5A	60	7.1 x 2.4 x 1.4	IP64	120	2.0	1.0	UL/CUL/TUV/CSA/CE	24.95	22.49	21.49
1918913	Mean Well	PLN-60-12	+12V @ 0-5A	60	7.1 x 2.4 x 1.4	IP64	2000	5.0	3.0	UL/CUL/TUV/CE/PFC	39.95	37.95	35.95
1918921	Mean Well	CLG-60-12	+12V @ 0-5A	60	7.7 x 2.4 x 1.5	IP67	2000	5.0	3.0	UL/CUL/TUV/CE	49.95	45.95	43.95
1918833	Mean Well	PLN-100-12	+12V @ 5A	60	7.9 x 2.8 x 1.4	IP64	150	2.0	1.0	UL/CUL/TUV/CSA/CE/PFC	49.95	45.49	42.95
1954877	Mean Well	CLG-150-12A	+12V @ 0-11A	132	8.7 x 2.7 x 1.5	IP65	150	1.0	0.5	UL/TUV/CE	68.95	63.95	59.95
2108699	Mean Well	CLG-150-12	+12V @ 11A	132	8.7 x 2.7 x 1.5	IP67	150	1.0	0.5	UL/CUL/TUV/CE/PFC	68.95	63.95	59.95
2102609	Mean Well	LPV-20-15	+15V @ 0-1.33A	20	4.6 x 1.4 x 1.0	IP67	120	2.0	1.0	UL/TUV/CE	10.95	9.95	8.95
1918964	Mean Well	PLN-60-15	+15V @ 0-4A	60	7.1 x 2.4 x 1.4	IP64	2400	5.0	3.0	UL/CUL/TUV/CE	39.95	37.95	35.95
1919001	Mean Well	CLG-60-15	+15V @ 0-4A	60	6.8 x 2.4 x 1.5	IP67	2400	5.0	3.0	UL/CUL/TUV/CE	49.95	45.95	43.95
1585856	Mean Well	CLG-100-15	+15V @ 0-5A	75	8.7 x 2.7 x 1.5	IP67	150	2.0	1.0	UL/CUL/TUV/CE/PFC	64.95	58.95	53.95
2102617	Mean Well	LPV-20-24	+24V @ 0-0.84A	20.2	4.6 x 1.4 x 1.0	IP67	150	2.0	1.0	UL/CUL/TUV/CE	11.49	10.49	9.49
2105210	Mean Well	ELN-30-24	+24V @ 0-1.25A	30	5.7 x 1.9 x 1.2	IP64	150	2.0	1.0	UL/CUL/TUV/CE	21.95	19.49	18.49
2102799	Mean Well	LPV-35-24	+24V @ 0-1.5A	36	5.8 x 1.6 x 1.2	IP67	150	2.0	1.0	UL/CUL/TUV/CE	17.95	15.49	14.49
2140592	Mean Well	LPF-40D-24	+24V @ 1.67A	40	6.4 x 1.7 x 1.3	IP67	150	0.5	0.5	UL/CUL/TUV/CB/CE	37.95	33.49	31.49
2102801	Mean Well	LPV-60-24	+24V @ 0-2.5A	60	6.4 x 1.7 x 1.3	IP67	150	2.0	1.0	UL/CUL/TUV/CE	19.95	17.95	16.95
2104840	Mean Well	PLP-60-24††	+24V @ 0-2.5A	60	4.0 x 2.0 x 1.2	—	4500	5.0	3.0	TUV/CB/CE	20.95	18.49	17.49
1919027	Mean Well	CLG-60-24	+24V @ 0-2.5A	60	7.7 x 2.4 x 1.5	IP67	2700	5.0	3.0	UL/CUL/TUV/CE	49.95	45.95	43.95
2103871	Mean Well	PLC-100-24	+24V @ 0-4A	96	7.9 x 2.7 x 1.4	—	150	2.0	1.0	UL/CUL/TUV/CSA/CE/PFC	46.95	42.49	39.95
1585872	Mean Well	CLG-100-24	+24V @ 0-4A	96	8.7 x 2.7 x 1.5	IP67	150	2.0	1.0	UL/CUL/TUV/CE/PFC	64.95	58.95	53.95
1954885	Mean Well	CLG-150-24A	+24V @ 0-6.3A	150	8.7 x 2.7 x 1.5	IP65	150	1.0	0.5	UL/TUV/CE	68.95	63.95	59.95
2123012	Mean Well	PLN-45-27	+27V @ 0-1.7A	45.9	7.1 x 2.4 x 1.4	IP64	2700	5.0	3.0	UL/CUL/TUV/CSA/CE/PFC	38.95	34.95	32.95
2105261	Mean Well	ELN-60-27	+27V @ 0-2.3A	62.1	7.1 x 2.4 x 1.4	IP64	200	2.0	1.0	UL/CUL/TUV/CSA/CE	24.95	22.49	21.49
2100574	Mean Well	PLN-60-27	+27V @ 0-2.3A	62.1	7.1 x 2.4 x 1.4	IP64	2700	5.0	3.0	UL/CE	39.95	37.95	35.95
2102051	Mean Well	CLG-150-30B	+30V @ 5A	150	8.7 x 2.7 x 1.5	IP67	150	0.5	0.5	UL/TUV/CE	49.95	39.95	34.95
1585750	Mean Well	CLG-100-36	+36V @ 2.65A	96	8.7 x 2.7 x 1.5	IP67	150	2.0	1.0	UL/CUL/TUV/CE/PFC	29.95	24.95	19.95
2101121	Mean Well	LPC-20-350	+48V @ 0-0.35A	16.8	4.6 x 1.4 x 1.0	IP67	200	2.0	1.0	UL/CUL	11.95	10.95	9.95
2136745	Mean Well	HLG-185H-48B	+48V @ 3.9A	187.2	9.0 x 2.7 x 1.5	IP67	200	0.5	0.5	UL/CUL/TUV/CE/PFC	79.95	72.95	68.95

* Primary Output † Input voltage: 120VAC @ 50/60Hz †† Open frame

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

DIN-Rail Switching Power Supplies



DIN-Rail Switching Power Supplies

- Short-circuit, overload, overvoltage protection
- Low cost, high reliability
- 100% full-load burn-in test
- For DIN mounting rail, see page 123

UL-508

- For DIN-Rail terminal blocks see pg 71
- Universal AC input range
- Soft-start circuit, limiting AC surge current

***Web Code: RBY**



373182 (Fig. 1)



1943300 (Fig. 2)

Rail not included



192699 (Fig. 3)



1943393 (Fig. 4)

Rail not included



1943449 (Fig. 5)

Rail not included



212291 (Fig. 6)



212274 (Fig. 7)



2081086 (Fig. 8)

Rail not included



2101391 (Fig. 9)

Rail not included



221892 (Fig. 10)



252663 (Fig. 11)

Rail not included



2094944 (Fig. 12)

Part No.	Mfr. Part No.	Fig.	Output Volts @ Curr.	Pwr (W)	Input Voltage (VAC @ Hz/VDC)	Input Current @ Max Load	Size (L" x W" x H")	Wt. (lbs.)	1	5	25
2101243	DR-15-5	1	5VDC @ 2.4A	12	85-264 @ 47-63/120-370	0.88A(115V)/0.48A(230V)	1.0 x 3.7 x 2.2	0.2	\$19.95	\$18.49	\$17.49
373174	DR-30-5	1	5VDC @ 3A	15	85-264 @ 47-63/120-370	1.1A(115V)/0.6A(230V)	3.1 x 3.7 x 2.2	0.6	20.95	19.49	18.49
1943300	MDR-20-5	2	5VDC @ 3A	15	85-264 @ 47-63/120-370	0.55A(115V)/0.35A(230V)	3.9 x 0.9 x 3.5	0.4	20.95	19.49	18.49
212303	DR-4505	3	5VDC @ 5A	25	85-264 @ 47-63/120-370	1.5A(115V)/0.75A(230V)	3.0 x 2.6 x 3.6	0.9	24.95	22.49	20.49
1943393	MDR-40-5	4	5VDC @ 6A	30	85-264 @ 47-63/120-370	1.1A(115V)/0.7A(230V)	3.9 x 1.6 x 3.5	0.6	29.95	27.49	24.95
1943449	MDR-60-5	5	5VDC @ 10A	50	85-264 @ 47-63/120-370	1.8A(115V)/1.0A(230V)	3.9 x 1.6 x 3.5	0.7	32.95	29.95	27.95
1952978	MDR-10-12	2	12VDC @ 0.84A	10	85-264 @ 47-63/120-370	0.33A(155V)/0.21A(230V)	3.9 x 0.9 x 3.5	0.4	17.95	16.49	15.49
2094952	DR-15-12	1	12VDC @ 1.25A	15	85-264 @ 47-63/120-370	0.88A(115V)/0.48A(230V)	3.7 x 1.0 x 2.2	0.2	19.95	18.49	17.49
1943334	MDR-20-12	2	12VDC @ 1.67A	20	85-264 @ 47-63/120-370	0.55A(115V)/0.35A(230V)	3.9 x 0.9 x 3.5	0.4	20.95	19.49	18.49
373182	DR-30-12	2	12VDC @ 2A	24	85-264 @ 47-63/120-370	1.1A(115V)/0.6A(230V)	3.1 x 3.7 x 2.2	0.6	20.95	19.49	18.49
1943406	MDR-40-12	4	12VDC @ 3.33A	40	85-264 @ 47-63/120-370	1.1A(115V)/0.7A(230V)	3.9 x 1.6 x 3.5	0.6	29.95	27.49	24.95
192699	DR-4512	3	12VDC @ 3.5A	42	85-264 @ 47-63/120-370	1.5A(115V)/0.75A(230V)	3.0 x 2.6 x 3.6	0.7	24.95	22.49	20.49
373230	DR-60-12	1	12VDC @ 4.5A	54	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	29.95	27.95	25.95
1943457	MDR-60-12	5	12VDC @ 5A	60	85-264 @ 47-63/120-370	1.8A(115V)/1.0A(230V)	3.9 x 1.6 x 3.5	0.7	32.95	29.95	27.95
212291	DR-75-12	6	12VDC @ 6.3A	75	85-264 @ 47-63/120-370	2.0A(115V)/1.2A(230V)	3.9 x 2.1 x 4.9	1.2	39.95	36.95	33.95
1943511	DR-100-12	1	12VDC @ 7.5A	90	85-264 @ 47-63/124-370	3.0A(115V)/1.6A(230V)	3.9 x 3.7 x 2.2	0.8	39.95	37.95	35.95
1943481	MDR-100-12	5	12VDC @ 7.5A	90	85-264 @ 47-63/120-370	1.3A(155V)/0.8A(230V)	3.9 x 2.2 x 3.5	0.9	59.95	53.95	48.95
212274	DR-120-12	7	12VDC @ 10A	120	88-132/176-264* @ 47-63	2.8A(115V)/1.7A(230V)	2.6 x 3.9 x 4.9	1.4	45.95	41.95	38.95
2099366	SDR-120-12	8	12VDC @ 10A	120	88-264/124-370 @ 47-63	1.4A(115V)/1.0A(230V)	4.5 x 1.6 x 4.9	1.5	69.95	65.49	62.95
2101391	DR-15-15	9	15VDC @ 1A	15	85-264 @ 47-63	0.88A(115V)/0.48A(230V)	3.7 x 1.0 x 2.2	0.2	19.95	18.49	17.49
1943342	MDR-20-15	2	15VDC @ 1.24A	20	85-264 @ 47-63/120-370	0.55A(115V)/0.35A(230V)	3.9 x 0.9 x 3.5	0.4	20.95	19.49	18.49
373238	DR-60-15	1	15VDC @ 4A	60	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	29.95	27.95	25.95
1952986	MDR-10-24	2	24VDC @ 0.42A	10	85-264 @ 47-63/120-370	0.33A(115V)/0.21A(230V)	3.9 x 0.9 x 3.5	0.4	17.95	16.49	15.49
2100873	DR-15-24	9	24VDC @ 0.63A	15.2	85-264 @ 47-63/120-370	0.88A(115V)/0.48A(230V)	2.2 x 1.0 x 3.7	0.2	19.95	18.49	17.49
1943385	MDR-20-24	2	24VDC @ 1A	24	85-264 @ 47-63/120-370	0.55A(115V)/0.35A(230V)	3.9 x 0.9 x 3.5	0.4	20.95	19.49	18.49
373203	DR-30-24	1	24VDC @ 1.5A	36	85-264 @ 47-63/120-370	1.1A(115V)/0.6A(230V)	3.1 x 3.7 x 2.2	0.6	20.95	19.49	18.49
1943422	MDR-40-24	4	24VDC @ 1.7A	40.8	85-264 @ 47-63/120-370	1.1A(115V)/0.7A(230V)	3.9 x 1.6 x 3.5	0.6	29.95	27.49	24.95
192681	DR-4524	3	24VDC @ 2A	48	85-264 @ 47-63/120-370	1.5A(115V)/0.75A(230V)	3.0 x 2.6 x 3.6	0.7	24.95	22.49	20.49
373246	DR-60-24	1	24VDC @ 2.5A	60	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	29.95	27.95	25.95
1943465	MDR-60-24	5	24VDC @ 2.5A	60	85-264 @ 47-63/120-370	1.8A(115V)/1.0A(230V)	3.9 x 1.6 x 3.5	0.7	32.95	29.95	27.95
212282	DR-75-24	6	24VDC @ 3.2A	75	85-264 @ 47-63/120-370	2.0A(115V)/1.2A(230V)	3.9 x 2.1 x 4.9	1.2	39.95	36.95	33.95
1943490	MDR-100-24	5	24VDC @ 4A	90	85-264 @ 47-63/120-370	1.3A(155V)/0.8A(230V)	3.9 x 2.2 x 3.5	0.9	59.95	53.95	48.95
1943537	DR-100-24	1	24VDC @ 4.2A	100	88-264 @ 47-63/124-370	3.0A(115V)/1.6A(230V)	2.2 x 3.9 x 3.7	0.8	39.95	37.95	35.95
212266	DR-120-24	7	24VDC @ 5A	120	88-132/176-264* @ 47-63	2.8A(115V)/1.7A(230V)	2.6 x 3.9 x 4.9	1.4	45.95	41.95	38.95
1953727	DRH-120-24	7	24VDC @ 5A	120	340-550 @ 47-63/480-780	0.65A(400V)/0.6A(500V)	3.9 x 2.6 x 4.9	1.7	64.95	59.95	56.95
2099374	SDR-120-24	8	24VDC @ 5A	120	88-264/124-370 @ 47-63	1.4A(115V)/1.0A(230V)	4.5 x 1.6 x 4.9	1.5	69.95	65.49	62.95
221892	DRP-240-24	10	24VDC @ 10A	240	85-264 @ 47-63/120-370	2.8A(115V)/1.4A(230V)	3.9 x 4.9 x 4.9	2.4	74.95	69.95	64.95
373123	DRT-240-24	10	24VDC @ 10A	240	3-phase 340-550 @ 47-63/480-780	0.95A(400V)/0.75A(500V)	3.9 x 4.9 x 4.9	2.9	89.95	82.95	77.95
2081086	SDR-240-24	8	24VDC @ 10A	240	88-264 @ 47-63/124-370	2.6A(115V)/1.3A(230V)	2.5 x 4.9 x 4.5	2.5	114.95	99.95	89.95
252663	DRP-480-24	11	24VDC @ 20A	480	180-264 @ 47-63/250-370	4.0A(230V)	8.9 x 3.9 x 4.9	4.6	129.95	119.95	109.95
295938	DRP-480S-24	11	24VDC @ 20A	480	90-132/180-264* @ 47-63/254-370	11.0A(115V)/4.0A(230V)	8.9 x 3.9 x 4.9	4.6	134.95	124.95	114.95
372577	DRT-480-24	11	24VDC @ 20A	480	3-phase 340-550 @ 47-63/480-780	1.7A(400V)/1.3(500V)	8.9 x 5.0 x 3.9	5.5	139.95	129.95	119.95
2094944	SDR-480-24	12	24VDC @ 20A	480	88-264 @ 47-63/124-370	2.6A(115V)/1.3A(230V)	4.9 x 3.4 x 5.0	4.9	184.95	174.95	164.95
373131	DRT-960-24	11	24VDC @ 40A	960	340-550 @ 47-63	2A(400V)/1.6A(500V)	10.9 x 3.9 x 4.9	7.3	264.95	249.95	234.95
1943431	MDR-40-48	4	48VDC @ 0.83A	39.8	85-264 @ 47-63/120-370	1.1A(115V)/0.7A(230V)	3.9 x 1.6 x 3.5	0.6	27.95	24.95	22.95
221904	DR-120-48	7	48VDC @ 2.5A	120	88-132/176-264* @ 47-63	2.8A(115V)/1.7A(230V)	2.6 x 3.9 x 4.9	1.4	45.95	41.95	38.95
1953735	DRH-120-48	7	48VDC @ 2.5A	120	340-550 @ 47-63/480-780	0.65A(400V)/0.6A(500V)	3.9 x 2.6 x 4.9	1.7	39.95	36.95	35.95
2107338	SDR-120-48	8	48VDC @ 2.5A	120	85-264 @ 47-63/124-370	1.4A(115V)/0.7A(230V)	4.9 x 4.5 x 1.6	1.5	69.95	65.49	62.95
221883	DRP-240-48	10	48VDC @ 5A	240	85-264 @ 47-63/120-370	3.5A(115V)/1.8A(230V)	3.9 x 4.9 x 4.9	2.4	74.95	69.95	64.95
2094936	SDR-240-48	8	48VDC @ 5A	240	88-264 @ 47-63/120-370	2.6A(115V)/1.3A(350V)	2.5 x 4.9 x 4.5	2.5	114.95	99.95	89.95
252655	DRP-480-48	11	48VDC @ 10A	480	180-264 @ 47-63/250-370	4.0A(230V)	8.9 x 3.9 x 4.9	4.6	129.95	119.95	109.95
301306	DRP-480S-48	11	48VDC @ 10A	480	90-132/180-264* @ 47-63/254-370	11.0A(115V)/4.0A(230V)	8.9 x 3.9 x 4.9	4.6	134.95	124.95	114.95

*Switch selectable ↑ With Power Factor Correction



40A DC DIN-Rail UPS Module

***Web Code: MBM**

Part No.	Mfr. Part No.	Description	DC Input/DC BUS	Output Voltage @ Current	Charge Current	1	5	25
2103273	DR-UPS40	Battery controller for UPS	24-29V @ 40A	21-29VDC @ 0-40A	2A	\$46.95	\$42.95	\$39.49




Rail not included

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

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Dual Adj. Regulated Power Supply Kit

- Adjustable positive/negative supplies ± 5 to ± 15 VDC, 175mA-750mA per supply
- LED on indicator • 48-piece kit
- PC board construction
- Difficulty level: intermediate • 120VAC input
- Size: 5.1"L x 3.5"W x 2.0"H • Weight: 2.1 lbs.

Part No. Cross Ref. No. 1 5

20626 JE215 \$26.95 \$24.95



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AC-to-AC Outdoor Power Supply


- IP66, NEMA 4x rated weather-resistant aluminum enclosure
- Compatible with all cameras/ PTZs up to 4A
- Input: 100-240VAC @ 50-60Hz
- Illuminated On/Off power switch
- Selectable outputs: 24VAC/26VAC/28VAC
- Pre-mounted 5.25" x 7.75" mounting plate
- Size: 6.75"L x 6.75"W x 4"D

Includes: Multi-lingual instruction sheet, 6 spare fuses

Part No. Cross Ref. No. 1 5

2129369 OPS-4R \$109.95 \$99.95






600-Watt Rackmount Power Supply


- AC Input active surge current limiting
- Built-in remote sense function
- Output: 48VDC @ 12.5A
- Input voltage: 90-132VAC/ 180-264VAC switch selectable
- Short-circuit, overload, overvoltage, overtemperature protection
- Forced air cooling by built-in DC fan
- Ripple & noise: 150mVp-p max.
- Size: 19.5"W x 5.0"D x 3.5"H

***Web Code: MCJ**

Part No. Mfr. Part No. 1 5 25

673408 SE-600-48RM \$199.95 \$179.95 \$164.95







15 to 960-Watt Enclosed Converters

- 2:1 wide input range • 100% burn-in test • Working temp.: -10°C to +60°C • Protection: short-circuit, overload and overvoltage
- SD-15 Series** • Built-in EMI filter, low ripple noise • One-year warranty
- SD-25/SD-50/SD-100/SD-150 Series** • Isolation voltage: 1500VDC • Built-in EMI filter, low ripple noise • One-year warranty
- SD-200/350 Series** • Isolation volt.: 1500VDC • Cooling by free air convection • Fixed switching freq @ 83kHz • **SD-200:** One-year warranty; **SD-350:** Two-year warranty
- SD-500 Series** • Isolation voltage: 2000VAC • DC input active surge current limiting
- Wide 4:1 ~ 2:1 SC input range • Forced air cooling by built-in DC fan w/ fan speed control function • Three-year warranty

***Web Code: UBC**

Part No.	Mfr. Part No.	Input Range	Output		Size (L" x W" x H")	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing		
			Voltage @ Current	Power (W)						1	5	25
1953778	SD-15A-5R	9.2-18V	+5V @ 3.0A	15	3.1 x 2.0 x 1.1	5	0.5	0.5	100	\$15.95	\$14.49	\$13.49
1953786	SD-15B-5R	18-36V	+5V @ 3.0A	15	3.1 x 2.0 x 1.1	5	0.5	0.5	100	15.95	14.49	13.49
175662	SD-25A-5R	9-18V	+5V @ 5.0A	25	3.9 x 3.8 x 1.4	5	0.5	0.5	100	22.95	20.95	19.49
212549	SD-50A-5R	9-18V	+5V @ 10A	50	6.3 x 3.8 x 1.5	5	0.5	0.5	100	28.95	25.95	23.95
1953882	SD-200B-5R	19-36V	+5V @ 34A	170	8.5 x 4.5 x 2.0	9	0.5	1.0	100	59.95	57.95	55.95
1953823	SD-15B-12R	18-36V	+12V @ 1.25A	15	3.1 x 2.0 x 1.1	5	0.3	0.3	120	15.95	14.49	13.49
1953840	SD-15C-12R	36-72V	+12V @ 1.25A	15	3.1 x 2.0 x 1.1	5	0.3	0.3	120	15.95	14.49	13.49
175805	SD-25A-12R	9-18V	+12V @ 2.1A	25.2	3.9 x 3.8 x 1.4	5	0.3	0.3	120	25.95	23.95	21.95
2107178	SD-25C-12R	36-72V	+12V @ 2.1A	25.2	3.9 x 3.8 x 1.4	5	0.3	0.3	120	22.95	20.95	19.49
1537483	SD-50A-12R	9.2-18V	+12V @ 4.2A	50.1	6.3 x 3.8 x 1.5	5	0.3	0.3	120	28.95	25.95	23.95
212531	SD-50B-12R	19-36V	+12V @ 4.2A	50.4	6.3 x 3.8 x 1.5	5	0.3	0.3	120	28.95	25.95	23.95
212506	SD-50C-12R	36-72V	+12V @ 4.2A	50.4	6.3 x 3.8 x 1.5	5	0.3	0.3	120	28.95	25.95	23.95
212469	SD-100C-12R	36-72V	+12V @ 8.5A	102	7.8 x 3.9 x 1.5	7	0.3	0.3	120	35.95	32.95	30.95
217270	SD-150B-12R	19-36V	+12V @ 12.5A	150	7.8 x 4.3 x 2.0	7	0.5	0.5	120	47.95	43.95	41.49
1953903	SD-200B-12R	19-36V	+12V @ 16.7A	200.4	8.5 x 4.5 x 2.0	9	0.5	1.0	100	89.95	81.95	76.95
1953920	SD-200C-12R	36-72V	+12V @ 16.7A	200.4	8.5 x 4.5 x 2.0	9	0.5	1.0	120	89.95	81.95	76.95
1953760	SD-200D-12R	72-144V	+12V @ 16.7A	200.4	8.5 x 4.5 x 2.0	9	0.5	1.0	120	89.95	81.95	76.95
1953962	SD-350B-12R	19-36V	+12V @ 27.5A	330	8.5 x 4.5 x 2.0	9	0.3	1.0	120	104.95	94.95	89.95
1954033	SD-500L-12R	19-72V	+12V @ 40A	480	8.5 x 4.5 x 2.0	7	0.5	0.5	150	139.95	129.95	124.95
175813	SD-25A-24R	9-18V	+24V @ 1.1A	26.4	3.9 x 3.8 x 1.4	5	0.2	0.2	150	22.95	20.95	19.49
2107186	SD-25C-24R	36-72V	+24V @ 1.1A	26.4	3.9 x 3.8 x 1.4	5	0.2	0.2	150	22.95	20.95	19.49
2107266	SD-50A-24R	9.2-18V	+24V @ 2.1A	50.4	6.3 x 3.8 x 1.5	5	0.2	0.2	150	28.95	25.95	23.95
212514	SD-50B-24R	19-36V	+24V @ 2.1A	50.4	6.3 x 3.8 x 1.5	5	0.2	0.2	150	28.95	25.95	23.95
2107039	SD-100C-24R	36-72V	+24V @ 4.2A	100.8	7.8 x 3.9 x 1.6	7	0.2	0.2	150	35.95	32.95	30.95
2107119	SD-150D-24R	72-144V	+24V @ 6.3A	151.2	7.8 x 4.3 x 2.0	7	0.3	0.3	150	47.95	43.95	41.49
1953954	SD-200B-24R	19-36V	+24V @ 8.4A	201.6	8.5 x 4.5 x 2.0	9	0.5	1.0	150	89.95	81.95	76.95
1953743	SD-200C-24R	36-72V	+24V @ 8.4A	201.6	8.5 x 4.5 x 2.0	9	0.5	1.0	150	89.95	81.95	76.95
1954009	SD-350C-24R	36-72V	+24V @ 14.6A	350.4	8.5 x 4.5 x 2.0	9	0.2	1.0	150	104.95	94.95	89.95
1954025	SD-500L-24R	19-72V	+24V @ 21A	504	8.5 x 4.5 x 2.0	7	0.5	0.5	150	139.95	129.95	124.95
1953911	SD-200B-48R	19-36V	+48V @ 4.2A	201.6	8.5 x 4.5 x 2.0	9	0.5	1.0	150	89.95	81.95	76.95
1953946	SD-200D-48R	72-144V	+48V @ 4.2A	201.6	8.5 x 4.5 x 2.0	9	0.5	1.0	120	69.95	64.95	61.95
1953989	SD-350B-48R	19-36V	+48V @ 7.3A	350.4	8.5 x 4.5 x 2.0	9	0.3	1.0	120	104.95	94.95	89.95



Unregulated Encapsulated Converters

- Input range: 4.5-5.5V
- Ripple & noise: 100mV p-p
- Input filter: capacitor type
- Line & load regulation: $\pm 1.0\%$
- No external components needed
- 1000VDC isolation
- 100% burn-in test
- Protection: short-circuit
- One-year warranty
- Working temp.: -15°C to +60°C

***Web Code: SBH**



Part No.	Mfr. Part No.	Output		Size (L"xW"xH")	Pins	Pricing		
		Voltage@Current	Power			1	10	50
213226	SRS-0505R	+5V @ 100mA	0.5W	.88 x .39 x .33	8	\$4.49	\$4.25	\$3.95
216831	SPR01L-12R	+12V @ 84mA	1W	.77 x .28 x .40	4	9.95	8.95	7.95

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.



Encapsulated DC-to-DC Converters

★ Web Code: NAX

SCW03, SCW05, SCW08, SDM30, SKE10, SKA15, SKE15 & SLW05 Series

- 1000VDC I/O isolation
- Shield metal case
- Cooling by free air convection
- Short-circuit/overload protection
- 2:1 wide input range
- One-year warranty



SCW12 & DCW12 Series

- Short-circuit/overload protection
- 2:1 wide input voltage range
- 1500VDC I/O isolation
- Built-in EMI filter
- Five sided shielded metal case
- Two-year warranty

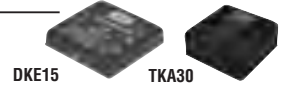


DCW03, DCW05, DCW08, DKE10, & DKE15 Series

- Shield metal case
- 2:1 wide input range
- 1000VDC I/O isolation
- Cooling by free air convection
- Short-circuit/overload protection
- One-year warranty

DKA30 & TKA30 Series

- Short-circuit/overload protection
- 1000VDC I/O isolation
- Remote on/off control
- Cooling by free air convection
- Six sided shielded metal case
- 2:1 wide input range
- One-year warranty



Part No.	Manufacturer	Mfr. Part No.	Input Range	Output		Size (L" x W" x H")	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing		
				Voltage @ Current	Pwr (W)						1	5	25
Single Output													
213269	Mean Well	SCW03A-05	9-18V	+5V @ 0.6A	3	1.25x0.8x0.48	10	1.0	0.5	100	\$11.95	\$9.95	\$8.95
216929	Mean Well	SLW05A-05	9-18V	+5V @ 1A	5	2.0x1.0x0.44	5	1.0	0.2	100	13.95	12.49	11.25
216937	Mean Well	SLW05B-05	18-36V	+5V @ 1A	5	2.0x1.0x0.44	5	1.0	0.2	100	13.95	12.49	11.25
1953313	Mean Well	SCW05B-05	18-36V	+5V @ 1A	5	1.25x0.8x0.48	8	0.5	0.5	50	12.95	10.95	9.95
213234	Mean Well	SLW05C-05	36-72V	+5V @ 1A	5	2.0x1.0x0.44	5	1.0	0.2	100	13.95	12.49	11.25
216962	Mean Well	SKE10A-05	9-18V	+5V @ 2A	10	2.0x1.0x0.44	5	0.3	1.0	50	18.95	16.95	15.49
216953	Mean Well	SKE10B-05	18-36V	+5V @ 2A	10	2.0x1.0x0.44	5	0.3	0.5	50	18.95	16.95	15.49
1953428	Mean Well	SCW12A-05	9-18V	+5V @ 2.4A	12	1.25x0.8x0.48	9	0.5	0.5	50	29.95	25.49	23.49
155716	Mean Well	SKE15A-05	9-18V	+5V @ 3A	15	2.0x2.0x0.43	5	0.3	0.5	50	19.95	17.95	15.95
213277	Mean Well	SKE15B-05	18-36V	+5V @ 3A	15	2.0x2.0x0.43	5	0.3	0.5	50	19.95	17.95	15.95
1953495	Mean Well	SCW08A-12	9-18V	+12V @ 0.67A	8	1.25x0.8x0.48	8	0.5	0.5	60	16.95	14.95	13.95
217024	Mean Well	SKE10B-12	18-36V	+12V @ 0.84A	10	2.0x1.0x0.44	5	0.3	0.5	60	18.95	16.95	15.49
155708	Mean Well	SKE15A-12	9-18V	+12V @ 1.25A	15	2.0x2.0x0.43	5	0.3	0.5	60	19.95	17.95	15.95
1953161	Mean Well	SKA15A-12	9-18V	+12V @ 1.25A	15	2.0x1.0x0.44	5	0.2	0.5	60	20.95	19.49	18.49
1953170	Mean Well	SKA15B-12	18-36V	+12V @ 1.25A	15	2.0x1.0x0.44	5	0.2	0.5	60	20.95	19.49	18.49
217242	Mean Well	SDM30-24S12	18-36V	+12V @ 2.5A	30	2.0x2.0x0.63	8	1.0	1.0	100	29.95	26.95	24.49
216882	Mean Well	SLW05A-15	9-18V	+15V @ 0.333A	5	2.0x1.0x0.44	5	1.0	0.2	100	13.95	12.49	11.25
216980	Mean Well	SKE10A-15	9-18V	+15V @ 0.666A	10	2.0x1.0x0.44	5	0.3	1.0	60	18.95	16.95	15.49
155695	Mean Well	SKE15A-24	9-18V	+24V @ 0.625A	15	2.0x2.0x0.43	5	0.3	0.5	80	19.95	17.95	15.95
Double Output													
155919	Mean Well	DCW03A-05	9-18V	+5V @ 0.3A	3	1.25x0.8x0.48	10	1.0	0.5	100	\$12.95	\$10.95	\$9.49
217032	Mean Well	DKE10A-05	9-18V	+5V @ 1A	10	2.0x1.0x0.44	5	0.3	0.5	50	22.95	19.49	17.49
161702	Mean Well	DCW03A-12	9-18V	+12V @ 0.125A	3	1.25x0.8x0.48	10	1.0	0.5	100	12.95	10.95	9.49
1953241	Mean Well	DCW05A-12	9-18V	+12V @ 0.23A	5.5	1.25x0.8x0.48	8	0.5	0.5	60	13.95	11.49	10.49
1953356	Mean Well	DCW08A-12	9-18V	+12V @ 0.335A	8	1.25x0.8x0.48	8	0.5	0.5	60	17.95	15.49	14.49
217092	Mean Well	DKE10A-12	9-18V	+12V @ 0.42A	10	2.0x1.0x0.44	5	0.3	0.5	60	22.95	19.49	17.49
1953022	Mean Well	DCW12B-12	18-36V	+12V @ 0.5A	12	1.25x0.8x0.48	9	0.5	0.5	60	22.95	19.95	18.49
1953364	Mean Well	DCW08A-15	9-18V	+15V @ 0.267A	8	1.25x0.8x0.48	8	0.5	0.5	60	17.95	15.49	14.49
1953381	Mean Well	DCW08B-15	18-36V	+15V @ 0.267A	8	1.25x0.8x0.48	8	0.5	0.5	60	17.95	14.25	13.25
217112	Mean Well	DKE10A-15	9-18V	+15V @ 0.333A	10	2.0x1.0x0.44	5	0.3	0.5	60	22.95	19.49	17.49
217075	Mean Well	DKE10B-15	18-36V	+15V @ 0.333A	10	2.0x1.0x0.44	5	0.3	0.5	60	22.95	19.49	17.49
1954130	Mean Well	DKA30A-15	9-18V	+15V @ 1A	30	2.0x2.0x0.82	8	0.5	0.5	100	29.95	25.49	23.49
213293	Mean Well	DKE15A-24	9-18V	+24V @ 0.313A	15	2.0x2.0x0.43	5	0.3	0.5	80	23.95	20.49	18.49
Triple Output													
1953217	Mean Well	TKA30B-B	18-36V	+5V @ 3.5A; ±12V @ 0.31A	25	2.0x2.0x0.82	8	5.0	5.0	100	\$30.95	\$28.95	\$26.95

BEST SELLING – ENCAPSULATED DC-TO-DC CONVERTERS

P/N 1953495 SCW08A-12 \$16.95
P/N 155695 SKE15A-24 \$19.95

See above for specifications



P/N 161702 DCW03A-12 \$12.95
P/N 217092 DKW10A-12 \$22.95

See above for specifications

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Lithium, NiCd, NiMH, Li-Ion & LiFePO4 Batteries

Applications: personal computers, workstations, test equipment, feature telephones, copiers, fax machines, video scramblers/descramblers and remotes.

Lithium – Non-rechargeable

* Web Code: LBT

Part No.	Product No.	Manufacturer	Fig.	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
673601	NBL621/F9DE	Panasonic	1	Coin cell	2	4.0	Vertical PC mount	0.27"Dia. x 0.10"Thick	\$.75	\$.65	\$.55
2158231	CR927	ReliaPro	2	Coin cell	3	30	Clock/memory/watch	0.37"Dia. x 0.10"Thick	.49	.45	.39
2123784	CR1220	Evergreen	2	Coin cell	3	40	Clock/memory/watch	0.49"Dia. x 0.77"Thick	.85	.75	.65
2119865	CR1632	Evergreen	2	Coin cell	3	120	Clock/memory/watch	0.63"Dia. x 0.13"Thick	1.19	1.09	.99
11789	CR2325	ReliaPro	2	Coin cell	3	165	Clock/memory/watch	0.91"Dia. x 0.13"Thick	1.79	1.59	1.45
14162	CR2032	ReliaPro	2	Coin cell	3	180	Clock/memory/watch	0.79"Dia. x 0.13"Thick	1.25	1.09	.99
1585451	DL2032	Duracell	2	Coin cell	3	180	Clock/memory/watch	0.79"Dia. x 0.13"Thick	1.49	1.35	1.19
2119216	CR2450R	Evergreen	2	Coin cell	3	550	Clock/memory/watch	0.95"Dia. x 0.20"Thick	1.49	1.35	1.19
2133561	2CR2450	NewSun	3	Coin cell	3	1100	Dual coin cell w/ 3" wires	0.97"Dia. x 0.43"Thick	1.95	1.75	1.49
2132251	CR2450C	FDK	4	Coin cell	3	550	1-1/2" leads w/ connector (2)	0.96"Dia. x 0.20"Thick	1.25	1.09	.99
2119873	CR2	Evergreen	5	Cylinder	3	750	Consumer tip/digital camera	1.66"L x 0.61"Dia.	3.49	3.19	2.95
673635	CA1/2AA	Varta	6	1/2 AA	3	950	Barrel w/ leads (2)	1.0"L x 0.58"Dia.	2.49	2.29	1.95
126754	TL5101S	Tadiron	5	1/2 AA	3.6	950	Macintosh®	0.95"L x 0.56"Dia.	4.95	4.49	4.09
33371	TL5101P	Tadiron	7	1/2 AA	3.6	950	Barrel w/ leads (clock/mem.)	0.93"L x 0.56"Dia.	6.25	5.65	4.95
263898	ER14250	ReliaPro	5	1/2 AA	3.6	1000	With axial leads	1.00"L x 0.55"Dia.	4.75	4.25	3.85
240266	ER14250	ReliaPro	5	1/2 AA	3.6	1000	Consumer tip	1.00"L x 0.55"Dia.	3.55	3.25	2.95
33398	TL5104P	Tadiron	8	AA	3.6	2100	Barrel w/ leads (clock/mem.)	1.88"L x 0.56"Dia.	6.95	6.25	5.65
146114	TL5104/S	Tadiron	9	AA	3.6	2100	Barrel pressure (clock/mem.)	1.91"L x 0.56"Dia.	6.95	6.25	5.65
240258	CR123A	ReliaPro	10	A	3	1300	Photo/computer	1.36"L x 0.65"Dia.	2.75	2.49	2.25



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11

NiCd – Rechargeable

* Web Code: GCF

Part No.	Product No.	Manufacturer	Fig.	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
261657	AA-700-CT	ReliaPro	11	AA	1.2	700	Consumer tip	1.90"L x 0.55"Dia.	\$1.69	\$1.49	\$1.35
244515	AA-1000-CT	ReliaPro	11	AA	1.2	1000	Consumer tip	1.90"L x 0.55"Dia.	2.75	2.49	2.25
244574	SC-1500	ReliaPro	12	Sub-C	1.2	1500	Flat top	1.70"L x 0.89"Dia.	2.95	2.59	2.39



Fig. 12



Fig. 13



Fig. 14

NiMH – Rechargeable

* Web Code: GCF

Part No.	Product No.	Manufacturer	Fig.	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
231095	AAA-750NM	Dantona	13	AAA	1.2	600	Consumer tip	1.70"L x 0.40"Dia.	\$3.45	\$3.09	\$2.79
231087	AA-1800NM	Dantona	14	AA	1.2	1800	Consumer tip	1.90"L x 0.55"Dia.	3.95	3.55	3.19
2127777	AA-2500CT	Tenergy	15	AA	1.2	2500	Consumer tip	1.90"L x 0.55"Dia.	3.95	3.55	3.19
244620	10005	Tenergy	16	9V	8.4	200	Snaps	1.94"L x 0.65"Dia.	9.75	8.75	7.95
231124	D-900NM	Dantona	17	D	1.2	9000	Consumer tip	2.30"L x 1.30"Dia.	13.95	12.95	11.95
2129342	3H80BC	Evergreen	18	N/A	3.6	80	3-lead (pin), barrel	0.72"L x 0.61"Dia.	5.25	4.95	4.69
2137473	NHB60H3A2H	Evergreen	18	N/A	3.6	80	2-lead (pin), barrel	0.72"L x 0.61"Dia.	4.49	3.95	3.55



Fig. 15



Fig. 16



Fig. 17



Fig. 18



Fig. 19



Fig. 20

Li-Ion – Rechargeable

* Web Code: LII

Part No.	Product No.	Manufacturer	Fig.	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
2144243	30004	Tenergy	19	18650	3.7	2200	Flat top w/ internal PCB	2.56"L x 0.72"Dia.	\$8.95	\$7.95	\$6.95
2140349	30006	Tenergy	19	18650	3.7	2600	Flat top w/ internal PCB	2.56"L x 0.72"Dia.	9.95	9.49	8.95
2144286	30201	Tenergy	10	RCR123A	3.2	900	Consumer tip	1.26"L x 0.63"Dia.	4.95	4.69	4.49

LiFePO4 – Rechargeable

* Web Code: LIF

Part No.	Product No.	Manufacturer	Fig.	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
2144227	30225	Tenergy	9	14500 (AA)	3.2	400	Consumer tip	1.91"L x 0.56"Dia.	\$2.25	\$1.95	\$1.75
2144278	30200	Tenergy	10	RCR123A	3.2	900	Consumer tip	1.26"L x 0.63"Dia.	2.95	2.65	2.39
2144294	30207	Tenergy	20	Prismatic	3.2	10000	Tabs (2)	9.0"L x 3.2"W x 0.3"T	34.95	32.95	30.95



12V Lithium-Ion Rechargeable Battery Pack

High-powered, ultra-compact, covert battery pack with charger.
Provides the same power as larger batteries at a fraction of the size and weight.

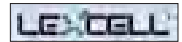
Part No.	Volt	mAh	Connection	Size (L" x W" x H")	Wt. (lbs.)	1	10	25
2129351	12V	4500	2.1mm female output, 2.1mm male input	3.0 x 2.0 x 0.75	5.2	\$59.95	\$54.95	\$49.95

- Charging adapter included
- On/Off switch
- LED indicators
- 18" power cord
- Input: 110-230VAC 50/60Hz
- Output: 12.6VDC, 350mA

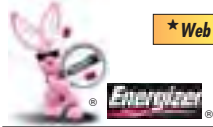


RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Evergreen, Energizer®, Duracell® & Lexcel® Alkaline Batteries



Part No.	Size	Min	1	12
2112461	9V, Super Alkaline Vinnic††	2	..... \$1.25	\$1.09
2112452	1.5V, D-cell Evergreen††	2	..... 1.09	.99
2112428	1.5V, C-cell Evergreen††	2	..... .95	.85
2112444	1.5V, AA Evergreen†	4	..... .45	.39
2112436	1.5V, AAA Lexcel®†	4	..... .49	.45



★ Web Code: NBF

Blowout Prices

Part No.	Size	1	10
2120153	9-volt Winco	\$1.49	\$1.25
198731	9-volt Energizer®	2.09	1.95
198791	9-volt Duracell® Procell®	2.95	2.65
215845	1.5V D-cell Energizer®	1.19	1.09

Part No.	Size	Min	1	40	100
198707	AA Energizer®†	4	..... \$.79	\$.69	\$.65
198715	AAA Energizer®†	4	..... .69	.59	.55

† Sold in multiples of 4 †† Sold in multiples of 2

Silver Oxide and Zinc Chloride Batteries

Applications:
personal computers, workstations, test equipment, feature telephones, copiers, fax machines, video scramblers/descramblers and remotes.

★ Web Code: XAB



Part No.	Cross Ref.	Description	1	10
2119831	S736S	Silver oxide, button, 1.55V, 34mAh ..	\$.75	\$.65
2119849	S1131S	Silver oxide, button, 1.55V, 73mAh ....	.95	.85
2119857	S1142S	Silver oxide, button, 1.55V, 116mAh	1.19	1.09
140783	357	Silver oxide, button, 1.55V, 175mAh	1.39	1.25
2119890	ER6MSG	Zinc chloride, 1.5V, AA .....	.55	.45
2119822	ER03MSG	Zinc chloride, 1.5V, AAA .....	.55	.45
151095	GF6F22	Zinc chloride, 9V	1.29	1.19



Smart Balancing Battery Chargers

For NiMH / NiCd / Li-PO / LiFePO4 / SLA

- Protective circuitry to control charging process and auto power cut-off

★ Web Code: ABC

Part No.	Mfr. Part No.	Compatible Chemistry	Compatible Battery Size	Output	1	5	25
2144307	01138R	NiMH, NiCd	AAA, AA (1-4 cells)	1.2V @ 0.25-1A	\$13.95	\$12.95	\$11.95
2144201	01270R	Li-Ion	14500, 18500, 18650, RCR123A (1-2 cells)	4.2V @ 0.5A (x2)	13.95	12.95	11.49
2144315	01267R	Li-Ion, Li-Po, LiFePO4	1S-4S battery packs w/ XH connector	3.6-16.8V @ 1A	24.95	22.49	20.95
2144235	01322R	NiMH, NiCd, Li-Ion, LiFePO4, LiPo, SLA (Pb)	Octopus harness - HiTech, JST, Tamiya, Deans, Traxxas, and EC3 connectors	0.1-5A (50W max.)	89.95	79.95	74.95



NiZn Rechargeable Batteries with Charger

The PowerGenix has up to 33% more energy density over standard rechargeable batteries. Nickel-Zinc is lighter, safer, environmentally-friendly, and is 100% recyclable. These batteries pack 1.6 volts and are well-suited for high-tech devices like digital cameras, toys, and other high-drain applications.

- Universal voltage for ease-of-use while traveling (100-240VAC, 50/60Hz)
- Includes 4 AA NiZn batteries
- LED lights indicate charging status

Part No.	Description	1	10
2115856	NiZn quick charger, 1.5 hours, includes 4AA batteries	\$29.95	\$26.95



Velleman Compact Battery Tester

Simply lift the swivel arm of this battery between the contacts and it will provide you a voltage measurement of your batteries. Tests AAA, AA, C, 9V and button cell batteries.

Part No.	Mfr. Part No.	1	10
239556	BATTEST	\$3.95	\$3.49

★ Battery Chargers Online — Enter Web Code PBF



Universal NiCd/NiMH Charger

- Fast charging in the specified period with an automatic switch for trickle charge

★ Web Code: PBF

Part No.	Mfr. Part No.	Compatible Battery	1	10	25
231132	CHG-6P	AAA, AA, C, D, 9V	\$19.95	\$17.95	\$15.95



120-Watt Single Output Battery Charger

- Current detecting battery charger for lead-acid batteries
- Voltage range: 88~132VAC/176~264VAC (47~63Hz) selected by switch
- Power: 118.7W; 27.6V @ 4.3A
- Short circuit, overload, overvoltage, overtemp. protection
- Output connector: 3-pin male XLR, see pg 57 for mating connector
- 3 pole AC inlet with fuse holder
- Two-year warranty
- Complete specifications on page 120



Part No.	Mfr. Part No.	Size (L" x W" x H")	Wt. (lbs.)	1	5
2102983	PB-120N-27C	7.09 x 3.78 x 1.93	2.4	\$69.95	\$62.95

Automatic Lead Acid Battery Chargers

- Multi-stage charging circuit prevents batteries from overcharging
- High frequency MOSFET switching design
- Input voltage: 98 to 132VAC @ 50/60Hz

673416



See page 129 for more Lead Acid Battery Chargers

Part No.	Mfr. Part No.	Output Voltage	Size (L" x W" x H")	Wt. (lbs.)	1	10
673416	SEC-1215A	13.5VDC @ 15A	8.5 x 8.4 x 3.3	4.8	\$149.95	\$139.95
673432	SEC-2415A	27.0VDC @ 15A	10.8 x 8.4 x 3.3	6.4	239.95	215.95

13.5VDC @ 2.2A Switch Mode Battery Charger

- Input voltage: 100 to 240VAC @ 50-60Hz
- Output voltage: 13.5V @ 2.2A
- Output connector: 30" cable with 4-position (2 x 2 grid) Molex Mini-Fit Jr. 5559 series connector (39-01-2041)
- UL/CUL listed

Includes: 5' 3-prong mickey mouse type power cord



Part No.	Mfr. Part No.	Size (L" x W" x H")	1	5	25
2139006	3G-301DN13	7.09 x 3.78 x 1.93	\$14.95	\$13.49	\$11.95

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

NAME BRANDS	4 LEVELS OF SAVINGS
HOUSE BRANDS	FACTORY OVERRUN
DOLLAR SALE	

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

Battery Holders

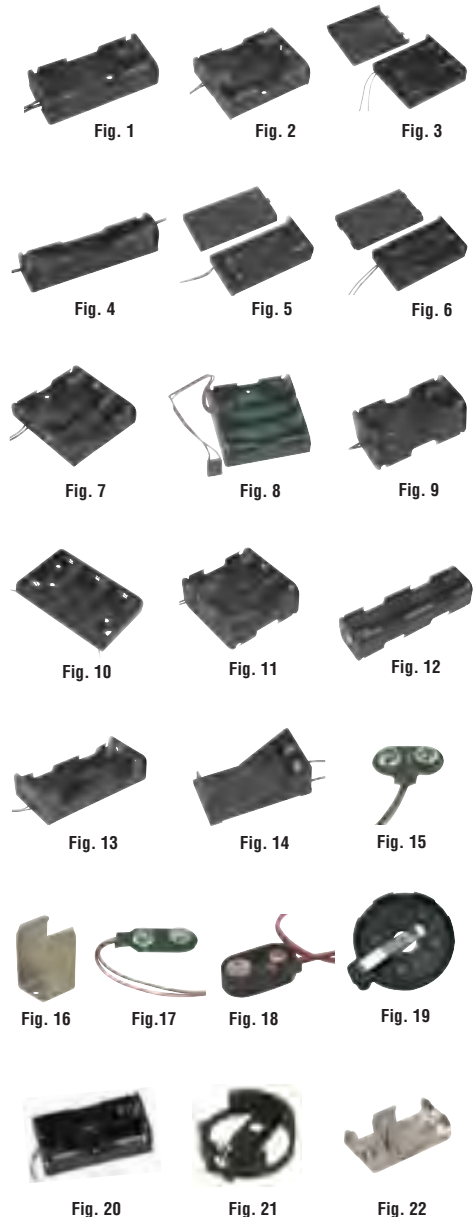
Eliminate battery mounting problems in portable DC power applications and products. These holders are made from special materials that maintain retention properties longer than conventional holders. They can come with leads, tabs or snaps.

★ Web Code: UAB

Part No.	Cross Ref. No.	*Mfr.	Fig.	No. of Cells	Conn. (L")	Sides	Features *	1	10	100	500
216283	BH-421-1A	JRP	1	2-AAA	Wires, 5.5	Single	26 AWG	\$.59	\$.55	\$.49	\$.45
216292	SBH-421-AS	JRP	1	2-AAA	Wires, 5.5	Single	w/ cover&sw, 26 AWG	.79	.75	.69	.65
216303	BH-431-1A	JRP	2	3-AAA	Wires, 5.5	Single	26 AWG	.79	.69	.65	.59
216312	SBH-431-1AS	JRP	2	3-AAA	Wires, 6.0	Single	w/ cover&sw, 26 AWG	.95	.85	.75	.69
216339	SBH-441-AS	JRP	3	4-AAA	Wires, 5.5	Single	w/ cover&sw, 26 AWG	1.45	1.29	1.19	.89
216072	BH-311-2A	JRP	4	1-AA	Wires, 5.5	Single	26 AWG	1.05	.95	.85	.75
2128075	BH-321-1B	JRP	1	2-AA	Snaps	Single	—	.59	.49	.39	.35
216081	BH-321-2A	JRP	1	2-AA	Wires, 5.5	Single	26 AWG	.75	.69	.59	.55
216099	BH-321-4A	JRP	1	2-AA	Wires, 5.5	Single	w/ mnt. tabs, 26 AWG	.75	.69	.59	.55
216102	SBH-321-2A	JRP	5	2-AA	Wires, 5.5	Single	w/ cover, 26 AWG	.75	.69	.59	.55
216120	SBH-321-1AS	JRP	5	2-AA	Wires, 5.5	Single	w/ cover&sw, 26 AWG	.89	.79	.72	.65
2151224	140	KEY	22	2-AA	Solder lugs	Single	Metal holder	2.49	1.95	1.59	1.25
216136	BH-331-A	JRP	2	3-AA	Wires, 5.5	Single	26 AWG	.85	.77	.69	.62
216144	SBH-331-AS	JRP	6	3-AA	Wires, 6.0	Single	w/ cover&sw, 26 AWG	.79	.69	.65	.59
216152	BH-341-2A	JRP	7	4-AA	Wires, 5.5	Single	26 AWG	1.15	1.05	.95	.85
105858	BH-PC- S	JRP	8	4-AA	Wires, 5.5	Single	w/ conn., 26 AWG	.95	.85	.75	.65
2128083	BH-341-3B	JRP	7	4-AA	Snaps	Single	—	.69	.59	.49	.45
216179	BH-343-1A	JRP	9	4-AA	Wires, 5.5	Dual	26 AWG	.79	.69	.65	.59
216187	SBH-341-1AS	JRP	3	4-AA	Wires, 6.0	Single	w/ cover&sw, 26 AWG	1.05	.95	.85	.75
2095453	SBH-341-1A	JRP	3	4-AA	Wires, 5.5	Single	w/ cover, 26 AWG	.99	.89	.79	.69
216223	BH-364-A	JRP	10	6-AA	Wires, 5.5	Single	26 AWG	1.09	.95	.85	.75
216240	BH-383-A	JRP	11	8-AA	Wires, 5.5	Dual	26 AWG	1.09	.95	.85	.75
216267	BH-383-B	JRP	11	8-AA	Snaps	Dual	—	1.29	1.19	1.09	.95
216259	BH-382-B	JRP	12	8-AA	Snaps	Dual	—	1.35	1.19	1.09	.79
216347	BH-211-A	JRP	4	1-C	Wires, 5.5	Single	24 AWG	.55	.49	.45	.39
216363	BH-242-1A	JRP	13	4-C	Wires, 5.5	Single	24 AWG	1.09	.99	.89	.69
216371	BH-111-1A	JRP	4	1-D	Wires, 5.5	Single	26 AWG	.69	.65	.59	.49
216390	BH-121-1A	JRP	1	2-D	Wires, 5.5	Single	24 AWG	1.19	1.09	.95	.79
216401	BH-142-A	JRP	13	4-D	Wires, 5.5	Single	24 AWG	1.35	1.19	1.09	.89
2128121	BH-142-1B	JRP	13	4-D	Snaps	Single	—	1.09	.99	.89	.79
2128067	SBH-9VAS	JRP	5	1-9V	Wires, 5.5	Single	w/ cover&sw, 26 AWG	1.39	1.25	1.09	.95
216427	BH-9V-A	JRP	14	1-9V	Wires, 5.5	Single	26 AWG	.75	.69	.59	.55
11280	A104-R	JRP	15	1-9V	Wires, 2.5	Single	26 AWG, snaps	.39	.35	.29	.25
105794	GBH-1009-R	JRP	16	1-9V	—	Single	Metal holder	.35	.32	.29	.25
1949488	BAT-SNAP-4	JRP	17	1-9V	Wires, 3.5	Single	26 AWG, snaps	.29	.26	.23	.19
109154	BC6-R	JRP	17	1-9V	Wires, 5.5	Single	26 AWG, snaps	.29	.26	.23	.19
216452	SBS-IR-1-R	JRP	18	1-9V	Wires, 5.5	Single	26 AWG, snaps	.35	.32	.29	.25
101470	A102-R	JRP	17	1-9V	Wires, 10.0	Single	26 AWG, snaps	.35	.32	.29	.25
2146231	BH-18650-2S	JRP	20	2-18650	Wires, 6.0	Single	26 AWG	1.95	1.75	1.59	1.45
236996	103	KEY	19	1-0.91" dia. max	PC mount	Coin cell	—	1.65	1.49	1.35	1.19
38543	2S2325	JRP	19	1-0.91" dia. max	PC mount	Coin cell	—	.79	.69	.65	.59
355434	17002-00603	JRP	21	1-0.79" dia. max	PC mount	Coin cell	—	.79	.69	.65	.59

§ Battery holder used in many personal computers (1x4 pos. connector)

* SW = switch



dinam-tech

Mini-Power Stick 2.0

Produce up to 100mA at 5.5VDC all from a single 1.5V AA battery! Great for PIC, BASIC Stamp, PICAXE, Arduino projects or as standby charger or power backup unit. Uses Alkaline or NiMH battery.

• Output: 5.7V ±5% • Max current: 400mA

Includes: Mini-Power Stick (blue or black), 4 connection cables (3.5mm x 1.2mm, 2mm x 0.75mm, USB Mini-B and stripped wires), 3 adapters (2.1mm jack, 2.1mm plug and USB Micro-B) and user guide

Part No.	Mfr. Part No.	Size (L" x Dia.)	1	5
2153035	MPS0001	2.8 x 0.7	\$19.95	\$18.95

* JRP = Jameco ReliaPro | KEY = Keystone

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

LiFePO4 - LITHIUM IRON PHOSPHATE BATTERY

A drop in replacement for sealed lead-acid batteries. No change to the lead acid battery charging system is necessary. Perfect for scooters, wheelchairs, medical carts, or anything that uses a SLA battery. No poisonous lead, no acid, and no gasses are produced during charging. They are much lighter, have a lower self-discharge, are environmentally friendly, and last two to four times longer.

Part No.	Volts	Amp-Hrs	Size (L x W x H)	Discharge Current	Price
2145932	12	7	6.3" x 2.4" x 3.6"	30A	\$139.95

Lead Acid Batteries & Battery Chargers

Lead Acid Batteries

- Use with UPS Backup Systems, Security Fire Alarms, Wheel Chairs, Scooters
- Sealed • UL approved • Rechargeable
- One-year manufacturer warranty



264014



264031



318924



264057



264065



264073



★ Web Code: LBR

Part No.	Mfr. Part No.	Nominal Voltage	Amp-Hrs.	Cross Reference				Terminal Size	Size (L" x W" x H")	Wt. (lbs.)	Pricing	
				Panasonic	YUASA	Eagle Picher	Tempest				1	10
2151996	TY-6-1.2	6	1.2	—	—	—	—	Quick connect 0.187"	3.8 x 1.0 x 2.1	0.7	\$7.95	\$6.95
264014	TY-6-4.5	6	4.5	LCR6VP	NP4-6	CF16V4	TR-4-6	Quick connect 0.187"	2.8 x 1.9 x 4.0	1.9	11.95	10.95
317024	LA-TY-6-12	6	12.0	—	—	—	—	Quick connect 0.187"	5.9 x 1.9 x 3.7	4.6	19.95	17.95
318844	LA-TY-12-1.2	12	1.2	—	—	—	—	Quick connect 0.187"	3.8 x 1.7 x 2.1	1.3	14.95	13.45
264031	TY-12-2.3	12	2.3	LCR12V2.2P	NP2.3-12	CF12V1.5	TR2.3-12	Quick connect 0.187"	7.0 x 1.3 x 2.4	2.1	19.95	17.95
318924	LA-TY-12-3.4	12	3.4	—	—	—	—	Quick connect 0.187"	5.3 x 2.7 x 2.4	3.1	21.95	19.95
264049	TY-12-5	12	5.0	—	—	—	—	Quick connect 0.187"	3.5 x 2.7 x 3.9	3.6	22.95	20.65
264057	TY-12-7.5	12	7.5	LCR12V7.2BP	NP712	CFM12V65	TR7.5-12	Quick connect 0.187"	5.9 x 2.6 x 3.7	5.6	24.95	22.49
264065	TY-12-12	12	12.0	PS12120	—	CFM12V12	TR12-12	Quick connect 0.187"	5.9 x 3.9 x 3.7	9.0	39.95	35.95
264073	TY-12-18	12	18.0	LCR12V17BP	NPG18-12	CF12V18	TR18-12	Quick connect 0.472"	7.1 x 3.0 x 6.6	13.3	49.95	44.95
318852	LA-TY-12-35	12	35.0	—	—	—	—	Nut & bolt	7.6 x 5.1 x 6.3	27.6	89.95	84.95



360 & 1000-Watt Single Output Lead Acid Battery Chargers

★ Web Code: ABC

- Input: 115VAC/230VAC @ 47-64Hz (switch-selectable)
- **1952417/1954332/1954341**: Built-in passive PFC function
- Overload, short-circuit, reverse polarity, over voltage, over temperature protection
- **1952417/1954308/1954316**: Fan on/off control (depending on charging current) • Charger for lead acid batteries
- **1954316**: Size: 10.0"L x 5.3"W x 1.9"H, Weight: 3.3 lbs.
- **1952417/1954308**: Size: 9.3"L x 5.3"W x 1.9"H, Weight: 3.3 lbs.
- **1954332/1954341**: Size: 11.8"L x 7.2"W x 2.8"H, Weight: 7.7 lbs.



1952417

Part No.	Mfr. Part No.	Watts	Boost Charge Voltage	Float Charge Voltage	Recommended Battery Capacity (AMP Hours)	Pricing	
						1	5
1952417	PB-360P-12	360	14.4	13.6	80-200	\$94.95	\$84.95
1954308	PB-360N-12	360	14.4	13.6	80-200	94.95	84.95
1954316	PB-360N-24	360	28.8	27.2	40-125	94.95	84.95
1954332	PB-1000-12	1000	14.4	13.8	200-600	299.95	269.95
1954341	PB-1000-24	1000	28.8	27.6	120-350	299.95	269.95

Panel Meters

3½-Digit LED Panel Meter

Easy to setup with no additional components required. This digital panel meter can be used in common ground applications.

- 10-pin connection
- With mounting facia and super bright LEDs
- Supply voltage: 5V common ground
- 0-200mV full scale input range
- User selectable decimal point
- Dimensions: 2.68"W x 1.3"H x 0.63"D



JAMECO ValuePro

Part No.	Mfr. Part No.	Description	1	10	25
2144606	CX102B	3½-digit (bezel, screw mount)	\$13.95	\$12.55	\$11.49

★ Digital Panel Meters Online — Enter Web Code WBU

LCD Digital Panel Meters

- Input ranges: 200mV, 20V, 200V, 500V
- Input impedance: >100MΩ
- Accuracy: ±0.5% • Size: 2.7"W x 1.7"H
- Supply volt.: 8-12VDC (recommend 9V battery P/N 151095, pg 127) • Automatic polarity indication
- 1% resistors available (recommend P/N 2076121, see web)



2152323

123140

JAMECO ValuePro

Part No.	Cross Ref. No.	Description	1	10	25
2131135	PMLCDL*	3½-digit	\$7.95	\$7.49	\$6.95
2152323	DFR0130-B*	3-digit LED (4.5V-30V w/ 1% accuracy)	8.95	7.95	7.25
108388	PM-428	3½-digit (no bezel, snap mount)	10.95	9.95	8.95
175951	PM-128	3½-digit (bezel, screw mount)	12.95	11.65	10.49
146835	PM-188BL	3½-digit (with backlight display)	14.95	13.45	11.95
123140	PM-328	4½-digit (bezel, screw mount)	29.95	26.95	24.25

Cannot use in common ground applications * Manufacturer: 2131135: Velleman; 2152323: DFRobot

Multi-Function Programmable Graphic Displays

3½-digit, bargraph & analog style meter

Customize your 2.4", 2.8" or 3.5" PanelPilot graphic displays in seconds with the simple click of a mouse. Using Lascar's revolutionary PanelPilot software, select from a wide range of customizable meter styles (digital and analog) including touch screen applications as well as more traditional volt meter apps. Choose colors, text labels, scaling and even display your own logo on power-up.

- Operating voltage: 4-30VDC • Adjustable 0 to 40VDC input
- Screw terminal connections • Programmable via USB interface
- Free Windows-based configuration software



Part No.	Mfr. Part No.	Description	1	5
2115354	SGD24-M	2.4", 3½-digit display	\$94.95	\$86.95
2125149	SGD28-M	2.8", 3½-digit display	109.95	99.95
2137924	SGD35-M	3.5", 3½-digit display	129.95	119.95

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Analog Panel Meters

- Includes mounting hardware • **316507**: Includes current shunt

Part No.	Mfr. P/N	Range	Size (W" x H"xD")	1	10	★ Web Code: YBQ
316603	AVM6015	0 - 15VDC	2.4 x 1.8 x 1.3	\$9.95	\$8.95	
316671	AVM7015	0 - 15VDC	2.8 x 2.4 x 1.4	9.95	8.95	
316638	AVM6030	0 - 30VDC	2.4 x 1.8 x 1.3	9.95	8.95	
316654	AVM7030	0 - 30VDC	2.8 x 2.4 x 1.4	9.95	8.95	
316718	AVM60150	0 - 150VAC	2.4 x 1.8 x 1.3	8.95	7.95	
316785	AVM60300	0 - 300VAC	2.4 x 1.8 x 1.3	8.95	7.95	
315301	AIM60005	0 - 50µA	2.4 x 1.8 x 1.3	9.95	8.95	
316523	AIM6050	0 - 50mA	2.4 x 1.8 x 1.3	9.95	8.95	
316486	AIM60100	0 - 100mA	2.4 x 1.8 x 1.3	9.95	8.95	
316558	AIM60500	0 - 500mA	2.4 x 1.8 x 1.3	9.95	8.95	
316566	AIM60500	0 - 5A	2.4 x 1.8 x 1.3	9.95	8.95	
316582	AIM705000	0 - 5A	2.8 x 2.4 x 1.4	9.95	8.95	
316494	AIM6010A	0 - 10A	2.4 x 1.8 x 1.3	9.95	8.95	
316507	AIM6030A	0 - 30A	2.4 x 1.8 x 1.3	12.95	11.65	

Environmental Meters & Data Loggers

4 LEVELS OF SAVINGS			
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE



Drill Mountable Panel Meters

★ Web Code: WBU

- Mount by simply drilling a single hole (7/32") and insert the threaded section of the panel meter
- Module size: 1.71"L x 0.84"W

Part No.	Mfr. Part No.	Description	Digit Ht.	Supply Volt.	Measurement Range	1	5	25
2113201	EMV-1125	3½-digit, LCD volt/current meter	.50"	7.5-15VDC	200mV-20V/200µA-200mA	\$32.95	\$29.95	\$27.95
2095040	EMV 1200	3-digit, signal pwr'd, LCD voltmeter	.50"	3-50VDC	4-25VDC	33.95	30.95	27.95
2095058	EMT 1900	3½-digit, LCD thermometer	.50"	4-28VDC	14-122°F	34.95	31.49	28.95
2095074	EMC 1500	5-digit, LCD hour meter	.35"	5-27VDC	99999 hours	34.95	31.49	28.95
2095082	EMA 1710	Analog-style LCD panel meter	—	5-12VDC	0-1VDC	24.95	22.49	19.95
2116584	V1	3½-digit, LCD voltmeter	.25"	7-12VDC	200mV-20V	15.95	14.95	13.95



Passive Component R/C SMD Tweezer Meter

One hand operation for fast, precise identification and measure of surface mount components.

- 4000 count LCD display
- Over range & low battery indicators
- Measures resistance, capacitance and diode test
- Relative mode for zero or user applied reference
- Cap. range: 4nF, 40nF, 400nF, 4µF, 40µF, 200µF
- Resis. range: 400Ω, 4kΩ, 400kΩ, 4MΩ, 40MΩ



Part No.	Mfr. Part No.	1	5
1939685	RC100	\$64.99	\$61.95



50mV/50A Current Shunt

- Current range: 0 to 50A
- Accuracy: 0.8% ±0.2mV
- Output ratio: 1mV/1A
- Max. current: 100A



Part No.	Product No.	1	5	25
162309	ST-50	\$34.95	\$29.95	\$26.95



Batt-O-Meter

This battery tester looks inside your music instruments and 9V devices to measure voltage and remaining hours to use. Features a gold-plated 1/4" power probe that plugs into most instruments and effects pedals to test remaining life of those hard to reach batteries.

- Small and portable
- Works on any guitar pedal
- Self test function
- Identifies pedal and measures power
- Externally test alkaline, rechargeable and carbon zinc (9V, AA, AAA...) batteries with selector switch



Part No.	Mfr. Part No.	1	5
2125122	Batt-O-Meter	\$19.95	\$17.95



Electronic Starter Kit

This kit includes everything you need to get started with electronics.

Includes one of each:

- 8 function 20K count DMM (P/N 318764, pg 133)
- 6.5" x 3.125" breadboard (P/N 20758, pg 152)
- Wire cutter (P/N 35482, pg 141)
- Wire stripper (P/N 127862, pg 141)
- Solder (P/N 170457, pg 150)
- Hook-up wire (P/N 126085, pg 49)
- 11-pc. precision screwdriver set (P/N 226094, pg 143)
- Jumper wire kit (P/N 2096018, pg 153)
- Electrical tape (P/N 285587, pg 150)
- Soldering iron (P/N 129040, pg 145) and stand (P/N 36329, pg 145)
- Assorted capacitors (P/N 17911, pg 39) and resistors (P/N 134130, pg 39)



Part No.	Description	1	5
2099171	Electronic Starter Kit	\$109.95	\$99.95

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.



Passive-Component Digital LCR Meter

- 4½-digit backlit LCD display
- Test frequencies of 120Hz and 1kHz
- Selectable parallel or series equivalent circuit
- Res. ranges: 20Ω to 10MΩ
- Cap. ranges: 2000pF to 10mF
- Inductance ranges: 2000µH to 10,000H
- Quality (Q) reading: 0 to 9999
- Set HI/LO limits, absolute or percentage
- Bidirectional RS-232 port with optional software
- Max./Min./Avg. recording with auto power off
- Accuracy of 0.7% for L & C, 0.5% for R
- Dissipation factor (D) reading: 0 to 0.9999
- Measures L, C & R w/ secondary parameter Q, D or R; both are displayed
- Size: 3.6"W x 2.1"D x 7.6"H
- Weight: 0.8 lbs.



Includes: Test leads, alligator clips, 9V battery & holster

Part No.	Description	1	5
198678	LCR Meter	\$209.99	\$199.95
189238	9VDC adapter for P/N 198678	6.95	5.95



Kill A Watt™ Energy Consumption Meters

These meters let you measure exactly how much energy an appliance consumes in your home. This allows you to calculate costs, check the quality of your power, and make your home more efficient.

- Maximum power: 1875VA
- Maximum voltage: 125VAC
- Maximum current: 15A
- Displays volts, amps, watts, Hz, VA, kWh



2157933

NEW MARKED IN PINK

SAVE ENERGY!

2157933:

- Programmable on/off function for saving energy
- Combination multi-event 7 day/24 hour timer and electric consumption meter

Part No.	Mfr. Part No.	Size (H x W x D)	1	5
2075946	P4400	5.1" x 2.4" x 1.6"	\$24.95	\$22.49
2157933	P4480	5.4" x 2.8" x 2.8"	49.95	44.95

★ Cable Testers — Enter Web Code TBF



USB Data Loggers

- Measures and stores up to 32,000 readings
- User programmable alarm thresholds
- Data can be graphed, printed and exported to other applications
- Windows® 98/2000/XP/Vista compatible software included

2076367:

- Relative humidity range: 0 to 100% RH
- Set-ups: logger name, °F/°C, logging rate (10 sec. to 12 hrs.)

2076412

- Immediate, delayed and push-to-start mode
- High contrast LCD shows last, high and low stored readings

2113181:

- Measurement range: -20 to +70°C; 0 to 100% RH
- User-programmable alarm thresholds for T & RH%

Part No.	Mfr. Part No.	Description	1	5
2076367	EL-USB-2-LCD	Temp., humidity & dew point data logger	\$99.95	\$89.95
2076412	EL-USB-TC-LCD	Standalone data logger	99.95	89.95
2113181	EL-USB-RT	Temperature & humidity logger	69.95	64.95



2076367



2076412



2113181



Serial Data Logger Module

- Use for data logging (GPS, space/aircraft vehicle telemetry, industrial environment sensors, weather station data)
- 2400-460800 bps serial
- 3V-5V operation
- Store script/code for MCU sequencing
- Store images and telemetry for robotics
- Support SD/SDHC/MMC/TF flash memory upto 32GB
- Interface with any MCU (PIC, AVR, 8051, Arduino, etc.)



Part No.	Mfr. Part No.	Description	1	5
2135769	DS-MMC	Serial data logger module	\$49.95	\$44.95

Environmental Meters & Testers

When you're out in the field, there are plenty of times where measurements need to be taken, but the challenge lies in physically getting to the area to take the measurement. This line of environmental meters and testers can make testing much simpler, like our infrared thermometers that can take temperatures from further distances without having to make contact. These products measure everything from air velocity temperature, speed, light and electromagnetic fields. If there's a measurement to be taken, these tools can do the job.



F of V: Field of View (Distance to target)

★ Web Code: EMT

Part No.	Manufacturer	Mfr. Part No.	Description	1	5
1537299	Extech	IR100	Thermometer, Mini IR, measures temp. (-31 to 446°F) F of V 1:1	\$39.99	\$37.95
219361	Extech	IR-201	Thermometer, Pocket IR w/ Laser Pointer, measures temp. (-58° to 518°F) F of V 6:1	59.95	56.95
2112541	Extech	42510A	Thermometer, wide range mini IR, 12:1 compact thermometer w/ laser pointer (-58 to -1200°F/-50 to -650°C) 12:1 Compact IR	99.99	94.95
214480	Fluke	FLUKE-52-2	Thermometer, measures temp. large backlit dual display, dust splash resistant (-328° to 2501°F)	289.95	—
198045	Extech	445703	Thermometer, Digital Hygro/Humidity Meter w/ Indoor Readings, measures temp. (14° to 140°F) & RH (10-99%),	41.99	39.95
1939634	Extech	445713	Thermometer, Digital Hygro/Humidity Meter w/ Indoor & Outdoor Readings & Remote Sensor on 35' cable, temp. (14° to 140°F) & RH (10-99%)	42.99	40.95
218085	Extech	45118	Thermo-Anemometer, Mini, measures temp. (0° to 122°F) & air velocity (1.1 to 62.5mph)	109.99	104.95
1939731	Extech	RPM10	Thermometer, IR & Tachometer, measures temp. (-4° to 600°F) & RPM: photo tach. (10 to 99,999 rpm), contact tach. (.5 to 19,999 rpm) & surface speed (.2 to 6560 feet/min or .05 to 1999.9 miles/min)	329.99	315.95
131764	BenchPro	LX-102	Light Meter, Digital, ranges: LUX 0 to 50,000, footcandle 0 to 5,000	109.95	89.95
1939642	Extech	480836	RF EMF Strength Meter, measures frequency (50MHz to 3.5GHz)	259.99	245.95
645642	Extech	407730	Sound Level Meter, Digital, decibel range (40dB to 130dB)	89.99	85.95
198002	Extech	40180	Tone Generator & Amplifier Probe, tests: wire trace, continuity, clear/busy/ringing line, & tip/ring ID	89.99	85.95
145710	BenchPro	256551	Modular Cable Tester, tests 10Base-T, 10Base-2, RJ45/RJ11, 258A, TIA568A/568B, & Token Ring cables, Tests for: continuity, miswiring, open circuits, shorts, grounding & pin configurations, includes 4 adapters and 9V battery	59.95	53.95
14285	BenchPro	RS232	RS232 Line Tester, identifies simple interface problems on lines 2-6, 8, 11, 19, 20	7.95	6.95
105196	BenchPro	TRIPORT	RS232 Signal Adapter/Splitter, metal connectors DB25F/M & DB9M gold plate DC contacts	2.49	1.95

3-in-1 Multimeter and Cable/Line Tester

Combines the functions of a multimeter, phone line tester, and network cable tester in one!

- 2000 count LCD display (15mm display size) w/ automatic polarity indication and white backlight
- Continuity and diode test
- DC voltage ranges: 0.2 to 1000V
- AC voltage ranges: 0.2 to 700V
- DC current ranges: 200µA to 10A
- AC current ranges: 200µA to 10A
- Size: 3.3"W x 1.1"D x 7.3"H
- Weight: 1.4 lbs.

Includes: 9V battery, test leads, remote box for cable testing, and users manual

Part No.	Mfr. Part No.	1	5
1955984	DVM1000	\$69.95	\$62.95

★ Digital Multimeters — Enter Web Code HBK

3-in-1 Lab Center

Digital Multimeter:

- 3-1/2 backlit LCD
- Automatic polarity indication
- DC voltage ranges: 200mV to 600V
- AC voltage ranges: 200V to 600V
- DC current ranges: 200µA to 10A
- Resistance ranges: 200Ω to 2MΩ
- Diode, transistor and continuity tester

Regulated Power Supply:

- Selectable output volts: 3 to 4.5; 6 to 7.5; 9 to 12VDC
- Output current: 1.5A (2A peak) • On/off switch

Soldering Station:

- 48W ceramic heating element with temp. sensor
- 24V soldering iron
- Temperature range: 150° to 450°C

Includes: Test leads, user manual, sponge, spare bit for soldering iron and 9V battery for DMM

Part No.	Mfr. Part No.	1	5
695025	LAB1	\$159.95	\$139.95

3-in-1 Lab Center

Oscilloscope:

- 10MHz bandwidth
- Real-time sampling rate up to 40MS/s
- Readouts: DC, DC+AC, True RMS, dBm, Vpp, Min-Max. • White LED backlight

Function Generator:

- DDS type generator • DAC resolution: 10 bits
- Frequency range: 1Hz to 1MHz
- Waveforms: sine, square, triangle
- Sweep function with bi-directional option

Power Supply:

- Fixed output voltages: 3V, 5V, 6V, 9V, 12V (±5%)
- Peak output curr.: 1A • LED output overload indicator

Includes: Scope probe, RCA adaptor, user manual and AC cord

Part No.	Mfr. Part No.	1	5
2120840	LAB2U	\$299.95	\$269.95

4-in-1 Lab Center on page 134

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

NAME BRANDS	4 LEVELS OF SAVINGS	DOLLAR SALE
HOUSE BRANDS	FACTORY OVERRUN	

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

38073

P/N 1536843

\$18.99

DT830B

P/N 1928476

\$8.95

MN35

P/N 645618

\$19.99

381676

P/N 1537184

\$44.99

DM7

P/N 214261

\$17.95

M300

P/N 220812

\$10.95

DVM850BL

P/N 355207

\$17.95

BP-1562

P/N 318781

\$10.95

MAS830L

P/N 220759

\$14.95

MAS838

P/N 220741

\$19.95

BP-1415

P/N 318764

\$59.95

EX330

P/N 645626

\$59.99

EX430

P/N 1581177

\$94.99

EX505

P/N 2094127

\$114.99

115

P/N 1537328

\$169.95

117

P/N 1537336

\$204.95

* Web Code: HBK

* Web Code: HBK

*Web Code: HBK					Basic Measurement Functions										Test Functions				Special Functions				*Web Code: HBK				
Jameco Part No.	Manufacturer Part No.	Type	No. of Functions	Display Count	Resolution (max DC)	DC Voltage Ranges (V)	AC Voltage Ranges (V)	DC Current Ranges (A)	AC Current Ranges (A)	Resistance Ranges (Ω)	Capacitance Ranges (F)		Frequency Ranges (Hz)	Temperature Range		Diode Test	Battery Test	Continuity Test	Transistor hFE Test	Autorange	Analog Bargraph	RS-232 PC Interface	True RMS	Size (H" x W" x D")	Jameco Part No.	Pricing	
														°C	°F											1	5
1536843	Extech 38073	AMM	6	1	—	2.5V - 300V	10V - 300V	0.5A - 250mA	—	10KΩ - 1MΩ	—		—	—	—	✓							3.5 x 6.1 x 1.9	1536843	\$18.99	\$17.95	
1928476	Vastech DT830B	DMM	4	1999	1V	200mV - 1000V	200V - 750V	200μA - 10A	—	200Ω - 2MΩ	—		—	—	—	✓			✓				5.0 x 2.7 x 1.0	1928476	8.95	7.95	
645618	Extech MN35	DMM	5	2000	100μV	200mV - 600V	200mV - 600mV	200mA - 10A	—	200Ω - 20MΩ	—		—	-20 to 750	-200 to 1400	✓		✓					5.4 x 3.0 x 1.5	645618	19.99	18.95	
1537184	Extech 381676	DMM	5	2000	100μV	200mV - 600V	200m - 600V	—	—	200Ω - 20MΩ	—		—	—	—	✓		✓		✓			8.2 x 1.5 x 1.1	1537184	44.99	42.95	
214261	Wavetek DM7	DMM	6	1999	1mV	2V - 600V	200V - 600V	200mA	—	2Ω - 2MΩ	—		—	—	—	✓	✓						5.5 x 3.1 x 1.5	214261	17.95	15.95	
220812	Mastech M300	DMM	6	2000	1mV	2V - 500V	200V - 500V	200mA	—	2kΩ - 2MΩ		↔	—	—	—	✓		✓					4.7 x 2.7 x 0.8	220812	10.95	9.95	
355207	Velleman DVM850BL	DMM	6	2000	100μV	200mV - 100V	200V - 600V	200μA - 10A	—	200Ω - 2MΩ	—		—	—	—	✓		✓					5.4 x 2.7 x 1.2	355207	17.95	15.95	
318781	BenchPro BP-1562	DMM	6	2000	100μV	200mV - 600V	200V - 750V	200μA - 10A	—	200Ω - 2MΩ	—		—	—	—	✓							5.4 x 2.7 x 1.2	318781	10.95	9.95	
2131127	Velleman DVM810	DMM	7	2000	1V	200mV - 500V	200mV - 500V	200μA - 10A	—	200Ω - 2MΩ	—		—	—	—	✓							3.6 x 1.8 x 1.0	2131127	9.95	8.95	
220759	Mastech MAS830L	DMM	7	2000	100μV	200mV - 600V	200V - 600V	200μA - 10A	—	200Ω - 2MΩ	—		—	—	—	✓		✓					5.7 x 3.0 x 1.4	220759	14.95	13.95	
2113471	Fluke-87-5	DMM	7	6,000	10uV	0 - 1000V	0 - 1000V	0 - 10A	0 - 10A	0 - 50M	0 - 9999μF		0 - 200K	-200 to 1090	-328 to 1994	✓		✓		✓			7.4 x 3.4 x 1.3	2113471	399.95	—	
220741	Mastech MAS838	DMM	8	2000	100μV	200mV - 600V	200V - 600V	.2mA - 10A	—	200Ω - 2MΩ	—		—	-20 to 1000	—	✓		✓		✓			5.7 x 3.0 x 1.4	220741	19.95	17.95	
318764	BenchPro BP-1415	DMM	8	20,000	10μV	200mV - 1000V	2V - 700V	2mA - 20A	2mA - 20A	200Ω - 200MΩ	2000pF - 20μF		20k	—	—	✓		✓					7.4 x 3.6 x 1.2	318764	59.95	54.95	
645626	Extech EX330*	DMM	9	4000	100μV	.1mV - 1000V	.1mV - 750V	.1μA - 10A	.1μA - 10A	.1Ω - 40MΩ	.001nF - 200μF		.001 - 10M	-50 to 1000	-58 to 1832	✓		✓		✓			5.7 x 2.9 x 1.6	645626	59.99	56.95	
1581177	Extech EX430	DMM	9	4000	100μV	.1mV - 1000V	.1mV - 750V	.1μA - 20A	.1μA - 20A	.1Ω - 40MΩ	.1nF - 100μF		.001 - 10	-20 to 750	-4 to 1382	✓		✓		✓		✓	7.4 x 3.2 x 2.0	1581177	94.99	89.95	
2094127	Extech EX505	DMM	9	4000	10μV	0.1mV - 1000V	0.1mV - 1000V	0.1μA - 10A	0.1μA - 10A	0.1 - 40M	0.01nF - 100μF		0.001 - 9.99M	-20 to 750	-4 to 1382	✓		✓		✓			7.2 x 3.2 x 2.2	2094127	114.99	109.95	
1537328	Fluke 115†	DMM	9	6000	100μV	600mV - 600V	600mV - 600V	6A - 10A	6A - 10A	600Ω - 40MΩ	1000nF - 9999μF	↔	99.99 - 50k	—	—	✓		✓		✓		✓	6.3 x 3.3 x 1.9	1537328	169.95	—	
1537336	Fluke 117*†	DMM	9	6000	100μV	600mV - 600V	600mV - 600V	6A - 10A	6A - 10A	600Ω - 40MΩ	6A - 10A		99.99 - 50k	—	—	✓		✓		✓		✓	6.3 x 3.3 x 1.9	1537336	204.95	—	
1939651	Extech EX530	DMM	9	40,000	100μV	400mV - 1000V	400mV - 1000V	400mA - 10A	400mA - 10A	400Ω - 40MΩ	40nF - 40μF		40 - 400	-45 to 750	-50 to 1382	✓		✓		✓		✓	7.4 x 3.2 x 2.0	1939651	219.99	209.95	
2118459	RSR MS8229	DMM	10	3999	1V	400mV - 1000V	400mV - 750V	400μA - 10A	400μA - 10A	400Ω - 40MΩ	40μF - 100μF		9.999 - 200k	-20 to 1000	-4 to 1832	✓		✓		✓			7.7 x 3.6 x 2.2	2118459	99.95	89.95	
692502	Extech DM110	DMM	10	4000	100μV	0 - 500V	0 - 500V	0A - .40	0A - .40A	400Ω - 40MΩ	0 - 200μF		9 - 10M	—	—	✓		✓					4.3 x 2.2 x 0.5	692502	39.99	37.95	
220775	Mastech MY64	DMM	11	2000	100μV	200mV - 1000V	200mV - 700V	2mA - 10A	2mA - 10A	200Ω - 200MΩ	2nF - 20μF		2k - 20k	-20 to 1000	—	✓		✓		✓			7.4 x 3.6 x 1.3	220775	39.95	35.95	
645571	Velleman DVM890F	DMM	11	2000	100μV	200mV - 1000V	2V - 700V	2mA - 10A	20mA - 10A	200Ω - 200MΩ	2000pF - 20μF		—	—	-58 to 1832	✓		✓		✓			6.7 x 3.5 x 1.5	645571	39.95	35.95	
211650	Extech MN26T	DMM	11	4000	100μV	400mV - 600V	400mV - 600V	400μA - 10A	400μA - 10A	400Ω - 40MΩ	4nF - 200μF		10 - 10M	0 to 760	0 to 1400	✓		✓		✓		✓	4.8 x 2.4 x 1.6	211650	44.99	42.95	
117373	BenchPro BP-1949	DMM	11	4000	100μV	400mV - 400V	4V - 400V	400μA - 10A	400μA - 10A	400Ω - 4MΩ	50nF - 100μF		5 - 50k	-20 to 1000	-4 to 1532	✓		✓		✓		✓	7.7 x 3.6 x 1.6	117373	79.95	69.95	
137462	BenchPro MS8226T	DMM	11	4000	100μV	400mV - 400V	4V - 400V	400μA - 10A	400μA - 10A	400Ω - 4MΩ	50nF - 100μF		5 - 50k	-20 to 1000	—	✓		✓		✓		✓	7.7 x 3.6 x 1.6	137462	99.95	89.95	
220767	Mastech MY68	DMM	12	3260	100μV	326mV - 1000V	3.26V - 700V	326μA - 10A	326μA - 10A	326Ω - 32.6MΩ	326nF - 32.6μF	↔	32.6k - 150k	—	—	✓		✓		✓		✓	7.4 x 3.6 x 1.3	220767	44.95	39.95	
192655	Fluke 175	DMM	12	6000	100μV	600mV - 1000V	600mV - 1000V	60mA - 10A	60mA - 10A	600Ω - 50MΩ	1000nF - 9999μF	↔	99.99 - 99.99k	—	—	✓		✓		✓		✓	7.3 x 3.5 x 1.7	192655	259.95	—	
2112532	Extech EX570	DMM	12	40,000	0.1V	0.1mV - 1000V	0.1mV - 1000V	.1μA-10A	.1μA-10A	0.01 - 40M	.001nF - 10,000μF		.0001Hz - 40MHz	-45 to 750	-50 to 1382	✓	✓	✓		✓		✓	7.3 x 3.3 x 2.3	2112532	249.99	239.95	
185535	Fluke 179†	DMM	13	6000	100μV	600mV - 1000V	600mV - 1000V	60mA - 10A	60mA - 10A	600Ω - 50MΩ	1000nF - 9999μF		99.99 - 99.99k	-40 to 400	-40 to 752	✓		✓		✓		✓	7.3 x 3.5 x 1.7	185535	279.95	—	
2094119	Extech EX613\$	Clamp	9	40,000	10μV	0 - 600V	0 - 600V	400A	400A	.01Ω - 40M	10pF - 40,000μF		40MHz max.	-50 to 1000	-58 to 1832					✓		✓	9.7 x 4.0 x 1.9	2094119	189.99	179.95	
374070	Extech MA220	Clamp	10	4000	100μV	400mV - 600V	400mV - 600V	40A - 400A	40A - 400A	400Ω - 40MΩ	40nF - 100mF		5 - 150k	-50 to 1000	-58 to 1830	✓			✓				7.9 x 2.0 x 1.4	374070	109.99	104.95	
1585881	Extech EX830\$	Clamp	11	4000	100μV	0.1mV - 600V	0.1mV - 600V	100mA - 1000A	100mA - 1000A	.01Ω - 40MΩ	0.001nF - 40000μF		0.001 - 4k	-50 to 270	-58 to 518	✓			✓			✓	8.5 x 4.3 x 2.0	1585881	219.99	209.95	

* With non-contact voltage detector (100-600VAC range) † With backlight \$ Soft case included

EX530

P/N 1939651

\$219.99

DM110

P/N 692502

\$39.99

MY64

P/N 220775

\$39.95

DVM890F

P/N 645571

\$39.95

MN26T

P/N 211650

\$44.99

BP-1949

P/N 117373

\$79.95

BP-1737

P/N 137462

\$99.95

MY68

P/N 220767

\$44.95

175

P/N 192655

\$259.95

EX570

P/N 2112532

\$249.99

179

P/N 185535

\$279.95

EX613

P/N 2094119

\$189.99

MA220

P/N 374070

\$109.99

EX830

P/N 1585881

\$219.99

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above



4-in-1 Lab Center

This kit combines 4 different functions in one instrument for easy and compact measurement and testing.

DDS Function Generator:

- Frequency range: 0.1Hz~10MHz
- Wave outputs: Sine, Square, Triangle, Pulse, TTL output

Frequency Counter:

- Channel A: 1Hz~110MHz
- Channel B: 100MHz~2.7GHz

DC Power Supply

- Adjustable voltage output: 0~30V / 0~3A
- 3 fixed voltage outputs: $\pm 15V/1A$, $+5V/2A$

Digital Multimeter:

- 50 measurement functions
- Max. AC/DC voltage: 1000VDC/750VAC
- Max. DC/AC current: 20A
- Resistance range: $0.1\Omega \sim 80M\Omega$
- Capacitor range: 1pF ~ 100 μ F
- Temp. range: -50°C ~ 1372°C (-58°F ~ 2502°F)
- RS-232 interface for possible PC communication

Includes: Power cord, test leads, fuses, temperature probe, RS-232 cable for DMM, user's manual

- Size: 15.0"W x 12.5"D x 6.6"H • Weight: 30.2 lbs.

Part No.	Mfr. Part No.	1	5
2135814	US-9170A	\$999.95	\$949.95

20MHz Industrial ScopeMeter®

Digital Scope, 15-Function Digital Multimeter & Recorder

The Fluke 123 is the ideal choice for troubleshooting industrial machinery, instrumentation, control and power systems. It automatically recognizes signal patterns and sets up correct triggering, timing, and amplitude for stable displays.

- Dual-input TrendPlot™ recorder
- Dual-input 40MHz or 20MHz digital oscilloscope
- Two 5000-count true-RMS digital multimeters
- 600V CAT III safety certified
- Optically-isolated interface for PC connection
- Up to 7 hours battery operation

Includes: Battery pack with charger, test leads and CD-ROM with user's manual

Part No.	Mfr. Part No.	Price
160661	Fluke 123-003 (w/o software)	\$1,406.95

***Digital Multimeters — Enter Web Code HBK**

EXTECH Video Borescope/Wireless Inspection Camera

- Detachable wireless 3.5" color TFT LCD display
- 39" (1m) flexible gooseneck with waterproof camera head
- 2 built-in bright LED lights for illuminating dark areas
- Videos and images can be viewed on the wireless monitor or transferred to your PC

Includes: 4 AA batteries, 2GB microSD memory card, SD adaptor, USB cable, extension tools, video cable, AC adaptor, magnetic base stand and storage case

Part No.	Mfr. Part No.	1	5
2112591	BR200	\$299.99	\$284.95



20,000-Count Digital Benchtop Multimeter

This benchtop multimeter not only provides voltage and current measurements, but also basic resistance, frequency, continuity and diode test functions.

- 4½ digit LED display
- Audible continuity test and diode test
- Overload protection on all ranges
- DC voltage range: 2V - 1000V
- AC voltage range: 2V - 750V
- DC current range: 2mA - 10A
- AC current range: 2mA - 10A
- Resistance range: 2k Ω - 20M Ω
- Frequency range: 20kHz - 200kHz
- Input: 115VAC or 230VAC @ 48-60Hz
- Size: 9.4"W x 10.6"D x 3.7"H • Weight: 4.4 lbs.

Includes: Test leads, power cord and user's manual

Part No.	Mfr. Part No.	1	5
2145764	DM-7241B	\$279.95	\$264.95

20MHz 2-Channel Analog Oscilloscope

- 6" rectangular screen with internal graticule and scale
- Vertical deflection: 1mV/div to 1V/div (5MHz, 3dB) x 5 (10MHz, 3dB) x 5
- Horizontal deflection: 0.1 μ s/div to 2.0s/div in 1-2-5 sequence, 23 steps
- Max. input voltage: 400V (DC + AC peak)
- Input voltage: 115/230VAC with line voltage selector
- ADD function measures sum of 2 signals
- Size: 12.8"W x 15.7"D x 5.2"H
- Weight: 16.8 lbs.

Includes: 2 (X1/X10) test probes, power cord & manual

Part No.	Mfr. Part No.	1	5
685311	SK0200 (20MHz)	\$429.95	\$399.95



Handheld Pocket Oscilloscopes

Never be left without a scope again!

- Real-time sampling rate: 40MS/s
- Full auto range option
- Hold & store functions
- Direct audio power measurement

2127339:

- NiMH rechargeable battery
- Size: 2.9"W x 1.1"D x 4.5"H

2128294:

- Adjustable trigger level
- Multiple screen modes
- Screen capture function
- Li-Ion rechargeable battery
- Size: 4.3"W x 1.6"D x 6.9"H

Includes: Measuring probe and

Part No.	Mfr. Part No.	1	5
2127339	HPS1401 (10MHz)	\$189.95	\$179.95
2128294	HPS50 (12MHz)	\$374.95	\$339.95

***Oscilloscopes Available Online — Enter Web Code RCG**

25MHz/40MHz 2-Channel Digital Oscilloscopes

- API-0025 (25MHz)
- API-0040 (40MHz)
- Display: 5.7" brilliant color TFT display with 64k color
- USB host/device: support USB printer and USB flash drive
- 12 language screen menu
- Math: add, subtract, FFT
- Digital filter function, waveform recorder function, pass/fail function
- Measure system:
 - 32 parameters auto measure
 - Cursor measure: manual, track, and auto mode
- Size: 12"L x 5.3"W x 6.0"H • Weight: 5.0 lbs.

Includes: Oscilloscope probes, USB cable, manual, and CD software

Part No.	Mfr. Part No.	Real Time Sampling Rate	1	5
2126969	API-0025	500MSa/s	\$469.95	\$425.95
2126951	API-0040	1GSa/s	\$659.95	\$595.95

20MHz 2-Ch Digital Oscilloscope

Dual-channel with 3.8" (97mm) color LCD display

- 20 automatic measurements including frequency, cycle, average, peak-to-peak, RMS and more
- Waveform math: add, subtract, multiply and divide
- XY mode and FFT function to view component frequencies
- USB interface and software for transferring waveforms and data
- Size: 4.1"W x 1.6"D x 7.0"H

Includes: Two 1X/10X scope probes, test leads, Windows® compatible USB software and cable, capacitor measuring module, adjustment screwdriver, AC adapter and carrying case

Part No.	Mfr. Part No.	Price
2138468	MS420	\$949.00

25MHz PropScope 2-Ch Oscilloscope

Built-in expansion port allows additional capabilities and upgrades by simply plugging in an expansion card. The included software provides all the traditional functions of an oscilloscope as well as functions for a function generator, logic analyzer, spectrum analyzer, vector-scope, and more!

PropScope:

- 2 input channels • 25 million samples per second
- 20 Vpp maximum input range
- 10-bit input resolution • USB port powered
- Operating temp.: 32°F to 158°F
- Size: 4.7"L x 2.7"W x 1.1"H

Expansion card:

- 4-bit DAC for generating NTSC and PAL signals
- External analog trigger w/ -10V to +10V input range
- 4-bit digital input and trigger

Includes: PropScope DAC expansion card and 1x/10x selectable probes

Available with Text Guide and parts (P/N 2134871, pg 170)

Part No.	Mfr. Part No.	Price
2136518	32220	\$199.95

Oscilloscopes, Function Generators & Frequency Counters

INSTEK

150MHz 2-Channel Digital Oscilloscope

- USB host and device interface supported
- Bandwidth (-3dB): 150MHz
- Real-time sample rate: 1GSa/s real-time sample rates maximum, 25GSa/s
- 2-channels with 8-bit vertical resolution
- 2Mega point record length
- Auto set vertical, horizontal, and trigger level
- Vertical sensitivity: 2mV/div ~ 10V/div
- Input voltage: 100-240VAC @ 48-63Hz
- Time base range: 1ns/div ~ 50s/div
- Trigger sensitivity: DC-25MHz: 0.5div or 5mV 25MHz ~ 150MHz: 1.5div or 15mV
- Go/NoGo, data logger and zoom FFT functions
- Frequency counter: 6 digits • Weight: 5.5 lbs.

Includes: BNC cable, power cord & user's manual

Part No.	Mfr. Part No.	Size (W x D x H)	Price
2143401	GDS-1152A-U	12.2" x 5.5" x 5.6"	\$1,099.95

50MHz 2-Ch USB PC Oscilloscope

The PCSU1000 digital storage oscilloscope uses the power of your PC to visualize electrical signals. It has a highly sensitive display resolution, down to 0.15mV, combined with a high bandwidth and a sampling frequency of up to 1GHz.

Oscilloscope:

- Input range: 5mV to 2V/division
- Time base: 20ns to 100ms per division
- Trigger source: CH1, CH2, EXT or free run
- Real time sampling frequency: 1.25kHz to 50MHz

Spectrum Analyzer:

- Frequency range: 1.2kHz to 25MHz
- FFT resolution: 2048 lines
- FFT input channel: CH1 or CH2

*Web Code: RCG

Transient Recorder:

- Timescale: 20ms/Div to 2000s/Div
- Max record time: 9.4 hour/screen
- Min./Max. number of samples: 20/s; 100/s

System Requirements: IBM compatible PC, Windows® 98SE or later, SVGA display card, USB port

Includes: PC oscilloscope, 2 x 60MHz scope probes, USB cable and CD-ROM

Part No.	Mfr. Part No.	1	5
695017	PCSU1000	\$449.95	\$399.95

40MHz Multifunction Oscilloscopes w/ Built-In 5MHz Function Generator

Oscilloscope:

- 6" rectangle high resolution CRT
- Max signal input volt.: 400V (DC and AC peak)
- Input voltage: 100/120/220/240VAC @ 50-60Hz
- Size: 15.7"L x 12.8"W x 5.2"H • Weight: 26 lbs.
- Two-year manufacturer's warranty

1586200: With built-in 60MHz auto-detect counter

Function Generator:

- Frequency range: 0.5Hz to 5MHz (6 ranges)
- Output waveforms: sine, triangle, square
- Output impedance: 50Ω
- Output volt: 20Vp-p (no load), 10Vp-p (w/ 50Ω load)
- See www.Jameco.com for additional specifications

Part No.	Mfr. Part No.	1	5
1536886	SK0404	\$649.95	\$609.95
1586200	SK0409	699.95	649.95

3MHz Function Generator with Positive and Negative Pulses

- 6 waveforms: sine, square, triangle, ramp, positive pulse and negative pulse
- Input voltage: 110VAC
- Output impedance: 50Ω ±2%
- Knob selector switches for waveforms and frequency ranges • Size: 10.5"W x 11.2"D x 3.9"H
- Frequency range: 0.5Hz to 3MHz in 6 ranges via rotary switch • Weight: 6.6 lbs.

Part No.	Mfr. Part No.	1	5
685329	SK3000	\$209.95	\$189.95

5MHz Function Generator

- Waveforms: sine, square, triangle and ramp
- 0.5 to 5MHz
- 100% DC offset
- Variable duty cycle
- Output impedance: 50Ω
- Coarse and fine tuning
- Size: 10.4"W x 11.7"D x 3.4"H
- Weight: 6.2 lbs. • Two-year warranty

Part No.	Mfr. Part No.	Price
160469	BK4011A	\$354.95

2MHz & 3MHz Function Generators w/ Frequency Counter

Function Generator

- Waveforms: sine, triangle, square, TTL and CMOS output
- Output amplitude: >10Vp-p into 50Ω load
- Output impedance: 50Ω ±10%
- DC offset range: <-5V to >+5V into 50Ω load

Frequency Counter

- Input voltage: 115/230VAC @ 50-60Hz
- Weight: 4.4 lbs. • Two-year warranty
- 229251:** • 4-digit LCD display
- Ranges: 0.2Hz to 2MHz • Size: 9.1"W x 11.0"D x 3.7"H
- 229260:** • 6-digit LCD display with ramp
- Ranges: INT/EXT switch, 0.3Hz to 3MHz internal and 5Hz to 150MHz external; resolution of 10nHz to 0.1Hz • Size: 9.9"W x 11.5"D x 3.6"H

Includes: Power cord, operation manual and leads

Part No.	Mfr. Part No.	Description	1	5
229251	GFG-8020H	2MHz	\$249.95	\$229.95
229260	GFG-8216A	3MHz	299.95	269.95

150MHz 2-Channel Universal Frequency Counter

- 8-digit green LED display (0.56" digit height)
- Adjustable range & gate time
- Freq. range: 0.2Hz ~ 150MHz
- Gate time range 0.01s ~ 10s
- Impedance: 1MΩ, <40pF
- Channel A sensitivity – 25mVrms: 0.2Hz ~ 100MHz, 50mVrms: 100MHz ~ 150MHz; channel B – 25mVrms: 0.2Hz ~ 100MHz
- Count capacity: 0 ~ 99999999 (MHz)
- Input voltage: 100/220 @ 50/60Hz
- Size: 10.0"W x 3.2"H x 10.3"D

Part No.	Mfr. Part No.	1	5
2112840	FC-150U	\$299.95	\$279.95

2.4GHz 2-Channel Frequency Counter

- 8-digit green LED display with annunciators
- Adjustable range & gate time
- Frequency ranges: 0.01Hz to 2.4GHz
- Gate time: 100msec to 10sec
- Channel A: DC coupled – 0.01Hz to 100Hz; AC coupled – 100Hz to 50MHz, sensitivity – 80mVrms, 1MΩ impedance
- Channel B: frequency range: 50MHz to 2.4GHz, sensitivity – 50mVrms, 50Ω impedance
- Power supply: 120 to 220VAC
- Size: 10.6"W x 8.5"D x 3.9"H • Weight: 3.5 lbs.

Part No.	Mfr. Part No.	1	5
1955968	DVM13MFC2U	\$149.95	\$134.95

5MHz Sweep Function Generator with 60MHz Counter

Function Generator

- Waveforms: triangle, sine, square, ramp, positive pulse, negative pulse
- Frequency range and display: 0.05Hz ~ 5MHz, 5-digit LED display (0.001Hz resolution)
- 8 ranges controlled by rotary switch
- DC offset ±10V (no load), ±5V (50Ω load) continuously adjustable controlled by offset switch

Frequency Counter:

- 5-digit LED display (0.36" digit height)
- Resolution: 0.001Hz
- Display unit: Hz/kHz (auto) • 20MHz time base
- INT/EXT switch, 0.500Hz to 5000kHz internal with 4 res., 0.2Hz ~ 60MHz external
- Size: 11.8"W x 3.5"H x 10.8"D • Weight 5.5 lbs.

Includes: power cord and operation manual

Part No.	Mfr. Part No.	1	5
2112831	SK5200	\$279.95	\$249.95

*Function Generators — Enter Web Code DEJ

*Frequency Counters — Enter Web Code VCG

5MHz Mixed Signal Oscilloscope

Made specifically for iPhone, iPod touch, iPad. This mixed signal oscilloscope is the first of its kind that allows users to convert their iPhones and iPads into an oscilloscope, quickly and easily. The design is very intuitive and is quickly becoming the preferred scope for the next generation of inventors.

- Free App available for download in the Apple App Store • Bandwidth: 5MHz
- Max. sample rate: 12MS/sec
- High resolution with simple interface
- AC or DC coupling
- Auto/Normal/Single/Stop trigger modes

Includes: iMSO-104 hardware, 1x/10x analog probe, logic harness (4 digital + 1 ground), SMD grabbers (5 pieces), analog tip covers (2 pieces), and screwdriver for analog compensation adjustment

Part No.	Mfr Part No.	Price
2160534	iMSO-104	\$299.95

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

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Order by Phone at 1-800-831-4242 or Online at www.Jameco.com



150/250MHz Oscilloscope Probes

Designed for use with Tektronix and Hewlett Packard oscilloscopes.

- 3 position switch: x1, ref, x10
- Bandwidth @ 3dB: 10MHz (x1); 150MHz (x10)
- Loading: 57pF, 1MΩ (x1); 15pF, 10MΩ (x10)
- Low-resistance gold contacts
- Cord length: 5'



Part No.	Mfr. Part No.	Description	1	5
174473	4901-02 (150MHz)	7-pc. kit	\$54.95	\$49.95
212257	4915A (250MHz)	25-pc. kit ..	149.95	139.95

60/100/250MHz Probe Sets

- Probe set with multiple tips
- Attenuation of 1:1 or 1:10
- Cord length: 4'
- Conforms with IEC-1010 CAT II



Part No.	Mfr. Part No.	x10 Bandwidth	1	5
2130781	PROBE60S	60MHz	\$13.95	\$12.49
2130618	PROBE100	100MHz	20.95	18.95
2130482	PROBE250	250MHz	36.95	33.95



100MHz Probe Set

- Complete accessory kit included
- Compensation range: 10-60pF
- Bandwidth: 15/100MHz (-3dB)
- Attenuation: x1/x10 • 48" cable
- Rise time: 23.33/3.5ns
- Input resistance: 1/10MΩ • Capacitance: 64/10.5pF



Part No.	Mfr. Part No.	1	5
156451	4550B (100MHz)	\$63.95	\$59.95



High Voltage Test Probe

- Maximum voltages: DC:40kV, AC: 40kV peak, 28kVrms
- Accuracy: DC:±1.5%, AC:±5%
- 10MΩ meter input impedance required
- Input/output impedance: 1,000MΩ/1.1MΩ
- Probe length: 14" • Cable length: 39"



Part No.	Product No.	Weight	1	5	25
132290	HV-40	0.8 lbs.	\$69.95	\$65.95	\$61.95

80-Watt Switching Mode DC Power Supply

- Input voltage: 90-264VAC @ 47-63Hz
- Constant voltage and current
- Basic accuracy: ±1%
- Ripple and noise: <30mVp-p
- Line regulation: <4mV
- Load regulation: <20mV
- Remote sensing for accurate applied voltage at load point
- 3 ranges: 0 - 16.4V @ 0-5.1A; 0 - 27.6V @ 0 - 3.1A; 0 - 36.8V @ 0 - 2.3A
- Front and rear output terminals
- Size: 5.0"W x 2.1"D x 13.0"H • Weight: 4.2 lbs.



Part No.	Mfr. Part No.	1	5
1939600	382260	\$269.99	\$255.95



17MHz Logic Pulser

- Compatible with TTL, DTL and CMOS ICs
- Pulse repetition rate: 0.5pps/400pps
- 1MΩ sync input impedance
- Pulse width output at 100mA load: 10µs
- Pulse mode output current: 10mA
- Square wave current output: 5mA
- "One shot" or continuous 5Hz pulse train



* Web Code: MAQ

Part No.	Product No.	1	5	25
24601	LP540H	\$29.95	\$26.95	\$23.95



17MHz Logic Probe

- Max input freq.: 17MHz
- Minimum pulse width: 30ns
- Pulse flash time: 500ms
- Audible tones for high & low
- Input impedance: 1MΩ
- Power supply protection: ±20V
- TTL threshold: Lo = 0.8V ±0.2V, Hi = 2.3V ±0.2V
- CMOS threshold: Lo = 30% VCC, Hi = 70% VCC



Part No.	Product No.	1	5	25
149930	LP3500	\$39.95	\$35.95	\$32.95



60/100/250MHz Modular Oscilloscope Probes



- Hook and pointed probes
- Maximum input volt.: 600V
- Alligator clip ground wire
- Length: 5'
- BNC male connector

Part No.	Bandwidth (±3dB)		Impedance (R/C) *	
	Attenuation		Attenuation	
	x1	x10	x1	x10
22892	6MHz	60MHz	1MΩ/180pF	10MΩ/22pF
216047	6MHz	100MHz	1MΩ/47pF	10MΩ/16pF
236777	6MHz	250MHz	1MΩ/47pF	10MΩ/14pF

* With 20pF oscilloscope input

Part No.	Product No.	1	5	25
22892	LF101E	\$24.95	\$22.49	\$19.95
216047	HF-9100	29.95	26.95	23.95
236777	HP-9250	39.95	35.95	31.95

* More Probes Available Online — Enter Web Code RAC

108-Watt Desktop Power Supply

- Load regulation: ±2%
- Input voltage: 88 132VAC/176-264VAC @ 47-63Hz (switch selectable)
- Line regulation: ±5%
- Efficiency (typical): 81%
- Ripple and noise max.: 120mVp-p
- Voltage adjustment range: 12-15VDC
- Front panel on/off switch and 3 color LED loading indicator
- Short-circuit/overload/ overvoltage/ overtemperature protection
- Back panel 3-prong AC receptacle and banana plugs
- Size: 5.9"W x 5.5"D x 3.3"H • Weight: 3.3 lbs.



Part No.	Mfr. Part No.	1	5
673230	ESP-120-13.5	\$44.95	\$39.95

DV3100 Digital Logic Analyzer

From a new aluminum case to advanced triggering, adjustable threshold, more memory and a wider voltage range, the new DV3100 is the best value in a portable logic analyzer.



- 18 channels @ 100MHz (10ns)
- Automatic real time hardware compression (Tri-mode)
- Eliminates res. vs. depth tradeoffs
- +0.5 to +2.8V adjust. threshold
- Ground current protection ±12V
- USB 2.0 & 1.1 compatible

Includes: All cables, clips (quantity 20) and software

Part No.	Mfr. Part No.	1	5
2115776	DV3100	\$474.95	\$424.95

Salute 8 & 16-Ch Logic Analyzers

Monitoring signals has never been easier with these 8 and 16-channel logic analyzers that are able to save as many as 10 billion samples! Features a small design, an average input voltage of 3.5V, USB 2.0 connection, as well as over-voltage and ESD protection.



- Compatible with Windows®, Linux, Mac OS
- Sample rate: 2143427: 24MHz each channel
- 2143451: 100MHz (2-ch), 50MHz (4-ch), 25MHz (8-ch), 12.5MHz (16-ch)

Includes: Logic analyzer, flexible test lead set, micro-hook clips, USB cable and custom carrying case

Part No.	Description	Size (L" x W" x H")	1	5
2143427	8-channel	1.7 x 1.7 x 0.36 ..	\$149.95	\$139.95
2143451	16-channel	3.1 x 3.1 x 0.39	299.95	284.95

ATX Power Supply Testers

- Tester for ATX power supply outputs to indicate pass or fail
- 24-pin ATX connector
- 4-pin HDD/ floppy drive connector, and 6-pin/8-pin P4 connector on the other side
- Tests +3.3V, ±5V, ±12V, +5VSB and PG



- 2119988: LED indicators with on/off switch
- 2115514: LCD display readout



Part No.	Product No.	Color	1	5
2119988	E77CECE38L	Black	\$14.95	\$13.49
2115514	E77CEBE80L	Black	24.95	22.49

ATX POWER SUPPLIES

For use with all compatible computers, these power supplies keep all your work running safely at all times.



Part No.	Power	Price
2110422	250W	\$69.95
427928	300W	\$9.95

See page 159 for more ATX Power Supplies and Cables

Benchtop & Precision Power Supplies



Single Output Benchtop Power Supplies



- Voltage and current adjustable

★ Web Code: SAX



301920



175257



645600



301971



207618



301911



207706



175249

Part No.	Mfr.	Mfr. Part No.	Voltage (VDC)/ Current (A)	Power (W)	Displays (Digits)	Input Voltage (VAC)	Short Circuit Protection	Overload Protection	Size (W" x H" x D")	Weight (lbs.)	Pricing	
											1	5
301920	Mastech	HY1503C	15/3	45	2-Analog	115 ±10%	Y	N	3.8 x 6.3 x 9.1	9	\$99.95	\$89.95
175265	BenchPro	DPS150A	15/10	150	2-Analog	110 @ 60Hz	Y	Y	6.2 x 4.0 x 5.7	12	149.95	129.95
175257	BenchPro	SPS250A	15/15	225	2-Analog	110/220 @ 47-63Hz	Y	Y	6.2 x 4.0 x 5.6	3.8	149.95	129.95
681221	Extech	382202	18/3	54	2-Digital LCD (4)	120 @ 60 Hz	Y	Y	9.4 x 6.1 x 4.3	6.6	139.99	132.95
645600	Extech	382200	30/1	30	2-Digital LCD (4)	100/240 @ 47-63Hz	Y	Y	9.4 x 6.1 x 4.3	4.4	129.99	123.95
301971	Lascar	PSU130	30/1	30	2-Digital LCD (4)	100/240 @ 47-63Hz	Y	Y	5.5 x 1.6 x 5.2	1.2	89.95	84.95
301866	Mastech	HY3003D	30/3	90	2-Digital LCD (4)	115 ±10%	Y	N	5.4 x 6.2 x 11.5	10	159.95	144.95
207618	Mastech	HY3005C	30/5	150	2-Analog	115 ±10%	Y	N	5.4 x 6.2 x 11.5	14	159.95	135.95
301911	Mastech	HY3005D	30/5	150	2-Digital LCD (4)	115/230 ±10% (switchable)	Y	N	5.4 x 6.2 x 11.5	13	199.95	179.95
207626	Mastech	HY3010C	30/10	300	2-Analog	115 ±10%	Y	N	10.4 x 6.5 x 14.4	31	259.95	229.95
207635	Mastech	HY3010J	30/10	300	2-Digital LED (4)	115/230 ±10% (switchable)	Y	N	10.4 x 6.5 x 14.4	31	299.95	269.95
207686	Mastech	HY3020J	30/20	600	2-Digital LED (4)	115 ±10%	Y	N	10.4 x 6.5 x 14.4	42	499.95	449.95
207694	Mastech	HY5002J	50/2	100	2-Digital LED (4)	115/230 ±10% (switchable)	Y	N	5.4 x 6.2 x 11.5	13	169.95	149.95
163723	BenchPro	DPS-3050	50/3	150	2-Analog	110 @ 60Hz	Y	Y	4.8 x 7.5 x 9.0	12.3	129.95	115.95
207706	Mastech	HY5003	50/3	150	2-Digital LED (4)	115 ±10%	Y	N	5.4 x 6.2 x 11.5	13	209.95	189.95
301938	Mastech	HY3005	30/5	195	2-Digital LED	115/230 ±10%	Y	N	11.5 x 5.25 x 6.25	10	174.95	159.95
207600	Mastech	HY5005	50/5	250	2-Digital LED (4)	115/230 ±10% (switchable)	Y	N	10.4 x 6.5 x 14.4	17	249.95	224.95
175249	BenchPro	DPS5050	50/5	250	2-Analog	110 @ 50-60Hz	Y	Y	7.7 x 6.7 x 4.9	13.8	179.95	159.95



Multiple Output Benchtop Power Supplies

These benchtop power supplies are a must for every laboratory. They sit out of the way of your workspace and stay ready to supply power at all times. Single and multiple outputs are available for your specific laboratory needs. Standard banana input plugs provide easy connections, and precision adjustment knobs provide exact power outputs for all your projects. For more information, visit www.Jameco.com.

- Voltage and current adjustable

★ Web Code: SAX



211693



301962



301947



197991



197982



1939618

Part No.	Mfr.	Mfr. Part No.	Voltage (VDC)/ Current (A)	Power (W)	Input Voltage	Displays (Digits)	Short Circuit Protection	Overload Protection	Size (W" x H" x D")	Weight (lbs.)	Pricing	
											1	5
211722	Mastech	HY3002-2J	0-30/2; 0-30/2	120	115/230 ±10%	2-Digital LED (3.5)	Y	N	10.4 x 6.5 x 14.4	23	\$229.95	\$199.95
211705	Mastech	HY3002D-2	0-30/2; 0-30/2	120	115/230 ±10%	4-Digital LCD (3.5)	Y	N	10.4 x 6.5 x 14.4	23	219.95	199.95
211693	Mastech	HY3003D-2J	0-30/3; 0-30/3	180	115/230 ±10%	4-Digital LCD (3.5)	Y	N	10.4 x 6.5 x 14.4	28	219.95	199.95
211731	Mastech	HY3003-2J	0-30/3; 0-30/3	180	115/230 ±10%	2-Digital LED (3.5)	Y	N	10.4 x 6.5 x 14.4	28	279.95	259.95
301962	Mastech	HY5003-2	0-50/3; 0-50/3	300	115/230 ±10%	2-Digital LED (3.5)	Y	N	10.4 x 6.5 x 14.4	26	279.95	249.95
301947	Mastech	HY3005D-2J	0-30/5; 0-30/5	300	115/230 ±10%	4-Digital LCD (3.5)	Y	N	10.4 x 6.5 x 14.4	26.5	309.95	279.95
211713	Mastech	HY3003-3	0-30/3; 0-30/3; 5/3	195	115/230 ±10%	2-Digital LED (3.5)	Y	N	10.4 x 6.5 x 14.4	29	249.95	224.95
211684	Mastech	HY3003D-3	0-30/3; 0-30/3; 5/3	195	115 ±10%	4-Digital LCD (3.5)	Y	N	10.4 x 6.5 x 14.4	29	299.95	269.95
2145828	Unitech	PS-2303	0-30/3; 0-30/3; 5/3	195	110-120 @ 50-60Hz	4-Digital LED (3.5)	Y	Y	9.6 x 5.5 x 13.6	17.6	324.95	299.95
301955	Mastech	HY3005D-3J	0-30/5; 0-30/5; 5/3	195	115/230 ±10%	4-Digital LCD (3.5)	Y	N	10.4 x 6.5 x 14.4	29	349.95	314.95
197991	Extech	382213	0-30/3; 5/0.5; 12/0.5	98.5	110/120 @ 50-60Hz	2-Digital LCD (3)	Y	Y	6 x 5.6 x 9.5	11	199.99	189.95
197982	Extech	382203	0-30/3; 5/0.5; 12/0.5	98.5	110/120 @ 50-60Hz	2-Analog	Y	Y	6 x 5.6 x 9.5	11	169.99	159.95
1939618	Extech	382270	0-30/5; 0-30/5; 3-6/3; 8-15/1	334.5	110-127/220-240 ±10% *	4-Digital LED (4)	Y	Y	10.2 x 6.3 x 14.5	26.5	459.99	435.95

* Selectable



13.8VDC Precision Regulated Power Supplies

- Heavy duty 5'8" 3-prong power cord
- Illuminated rocker switch
- Short-circuit protected
- Fuse protected
- Output mating terminals: see pg 139 for banana terminal plugs

★ Web Code: YEH



138668
Banana terminal (rear)



138676
Banana terminal

Part No.	Manufacturer	Mfr. Part No.	Power (W)	Output Volts @ Curr.	Input Voltage	Output Terminals	Size (L" x W" x H")	Wt. (lbs.)	1	5	25
138668	BenchPro	38-381J	138.0	13.8VDC @ 10A	115VAC @ 60Hz	Banana terminals (rear)	7.0 x 6.6 x 4.3	10.0	\$64.95	\$59.95	\$54.95
138676	BenchPro	52-192012J	276.0	13.8VDC @ 20A	115VAC @ 60Hz	Banana terminals	10.0 x 7.8 x 4.4	15.9	109.95	94.95	84.95

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above



Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

Test Leads, Cables, Plugs, Clips & Posts

4 LEVELS OF SAVINGS			
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE

Pomona	KEYSTONE	JAMECO BenchPro	PROBE MASTER
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Test Leads and Cables

* Web Code: TLC

								
2113877	176971	11384	11422	176954	256832	2113869	1945962	212222

Part No.	Manufacturer	Product No.	Description	Size (L")	1	10	25
159871	Pomona	2249-C-36-R	BNC male to male cable, RG58C/U, 50Ω, 20 AWG, black	36	\$16.25	\$15.49	\$14.75
159880	Pomona	2249-C-60-R	BNC male to male cable, RG58C/U, 50Ω, 20 AWG, black	60	19.95	18.95	17.95
2113877	Pomona	3957	BNC male to Multi-Stacking banana plugs (2nd End)	1.55	15.95	15.25	14.49
176971	Pomona	4532-C-36-R	BNC male to Mini alligator clips w/ strain relief, RG58C/U, 50Ω, 20AWG, blk	36	19.95	17.95	16.95
11384	BenchPro	GCA26-R-R	BNC male to Alligator clip, RG58/U, black	23	4.49	3.95	2.95
11464	BenchPro	05-A-078-R-R	BNC male to Mini-clip test lead, RG174A/U, black	39	4.49	3.95	3.59
11422	BenchPro	05-A-081-R-R	BNC male to Micro-clip test lead, RG174A/U, black	39	4.25	3.95	3.59
2097150	Pomona	5187-C-36-R	BNC male to MiniGrabber test leads, RG58C/U 50Ω, 20 AWG, black	36	19.95	18.95	17.95
176954	Pomona	5187-K-36-R	BNC male to MiniGrabber test leads, RG174/U 50Ω, 26 AWG, black	36	28.49	26.95	25.49
256832	BenchPro	CBB-069-R	BNC female to pigtail, 20 AWG, 2 wire, 1 black, 1 red	7	5.49	4.95	4.49
2097555	BenchPro	CBB-070-R	BNC male to pigtail, 20 AWG, 2 wire, 1 black, 1 red	9	5.49	4.95	4.49
2113869	Pomona	3788	BNC female Minigrabber test clips (2nd end)	2.56	11.49	10.95	10.49
1945962	BenchPro	TP-1	Protected probes w/ rt. angle banana screw-on alligator clips, 1 blk, 1 red	40	7.95	6.95	6.25
212222	Probe Master	8043S	Softie test probe leads, 10-pc. set, interchangeable tips, 18 AWG, 1 blk, 1 red	48	26.95	25.95	24.95
174625	Probe Master	8150	Micro-tip test probe leads rt. angle (w/10 plunger type tips), 1 blk, 1 red	39	36.95	33.95	31.95
168516	BenchPro	GA-5010	Universal test lead kit w/ 12 interchangeable tips, 1 black, 1 red	36	8.95	7.95	6.95
155951	Pomona	5519A-R	Banana plug to rt. angle probe, insulated leads, 18 AWG 1 blk, 1 red	48	14.75	13.95	13.25
1814153	Pomona	1166-48-0	Multi-stacking banana plug to alligator clip, black	48	5.95	5.65	5.35
77738	BenchPro	GF19-R-R	Protected banana style multimeter test leads, 1 black, 1 red	40	5.95	5.49	4.95
77746	BenchPro	FC-15B-R-R	Standard banana style multimeter test probes, 1 black, 1 red	42	7.49	6.75	5.95
10444	BenchPro	GAL01	Alligator clip test leads, 24 AWG (19/36) 10-pc. assorted colors	15	4.95	4.49	3.95
159901	Pomona	B-24-02-R	Stackable banana patch cords, 18 AWG, 1 black, 1 red	24	10.25	9.75	9.25
159919	Pomona	B-36-02-R	Stackable banana patch cords, 18 AWG, 1 black, 1 red	36	10.25	9.75	9.25
77842	BenchPro	KLN-4-25/H-R-R	Stackable banana patch cords, 18 AWG, 2 ea. (blk,red,blue,white,yellow)	9.8	26.95	23.95	20.95
107423	BenchPro	GCA340-R-R	Double banana plug to alligator clip test leads, 1 blk, 1 red	36	3.95	3.59	3.19
159899	Pomona	3782-36-02-R	Mini-clip w/ stackable banana test leads, 20 AWG, 1 black, 1 red	36	12.75	11.95	11.25
21857	BenchPro	05-A-082-R-R	Mini-clip to stackable banana test leads, black	39	3.95	3.49	2.95
21865	BenchPro	05-A-079-R-R	Mini-clip to stackable banana test leads, red	39	3.95	3.49	2.95
135299	BenchPro	SF-207A-R-R	Mini-clip test leads, 26 AWG, 5 sets (blue, black, yellow, red, green)	14	10.95	9.95	8.95
156495	Pomona	5523-R-R	MiniGrabber™ test clip patch cord, 20 AWG 10-pc. assorted colors	24	43.95	41.95	39.95
155985	Pomona	2708B-R	9 slot test lead holder, accepts RG213 & RG214 wire sizes (blue)	11	12.95	12.25	11.49
155977	Pomona	4408-R	10 slot test lead holder, accepts RG59 & RG108 wire sizes (black)	11	10.75	9.75	9.49
155969	Pomona	1508-R	14 slot test lead holder, accepts RG58 & RG142 wire sizes (orange)	11	12.95	11.95	11.49

	
174625	168516
	
155951	77738
	
77746	10444
	
159901	159919
	
77842	107423
	
159899	135299
	
155977	155985

Test Clips, Plugs and Posts

								
71240	77691	1582170	256779	125197	72195	137526	159863	159927

Part No.	Manufacturer	Product No.	Description	Size (in.)	1	10	100
71240	BenchPro	GIP-003-R-R	Binding post, screw type, chassis mount 1 black, 1 red	1.0 L x .50 Dia.	\$1.65	\$1.49	\$1.35
77691	BenchPro	GIP-001-R-R	Binding post, screw type, chassis mount 1 black, 1 red	1.8 L x .50 Dia.	1.75	1.59	1.39
1582188	Keystone	6092-R	Banana jack, chassis mount, 0.182" solder tab, black	.937 L x .433 Dia.	1.59	1.39	1.25
1582170	Keystone	6091-R	Banana jack, chassis mount, 0.182" solder tab, red	.937 L x .433 Dia.	1.39	1.29	1.19
256779	BenchPro	R1-17-BLK-R-R	Panel mount tip jack; 1/4"-32 thread, black (10 pc. pkg)	.988 L x .29 Dia.	7.95	6.95	5.95
125197	BenchPro	GBRR2-R-R	Screw mount double binding/banana post, black/red	1.6 L x 1.4 W	3.95	3.49	2.95
72195	BenchPro	GBP205-R-R	Set screw banana plug, 1 black, 1 red	1.6 L x .40 Dia.	1.59	1.45	1.29
137526	BenchPro	HP-2234P-R-R	Set screw banana plug, 1 black, 1 red	2.3 L x .30 Dia.	3.49	2.99	2.49
159855	Pomona	1325-02-R	Solderless stackable banana plug w/ set screw, 1 black, 1 red	1.55 L x .17 Dia.	3.35	3.19	2.95
159863	Pomona	1825-02-R	Solderless stackable banana plug w/ safety collar, 1 black, 1 red	4.59 L x .39 Dia.	3.65	3.45	3.25
125210	BenchPro	GBRR4-BLK-R-R	Solderless stackable double banana plug, w/ wire guide, black	1.59 L x 1.20 W	2.25	1.95	1.75

	
11440	125233
	
99355	114810/114818

Continued on next page

R RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Test Clips, Plugs and Posts (Continued)

More images on previous page

★ Web Code: TLC

Part No.	Manufacturer	Product No.	Description	Size (in.)	1	10	100
125218	BenchPro	GBRR4-RED-R	Solderless stackable double banana plug, w/ wire guide, red	1.59 L x 1.20 W	\$1.75	\$1.49	\$1.35
159927	Pomona	MDP-02-R	Solderless stackable dbl banana plug, w/ wire guide, red (set of 2)	1.55 L x 1.18 W	5.75	5.49	5.19
11440	BenchPro	03-701A-R	BNC female to standard double banana plug, black	2.03 L x 1.7 W	4.95	4.49	3.95
125225	BenchPro	GB2BR2	BNC male to standard double banana plug, black	2.21 L x 1.8 W	5.49	4.95	4.49
125233	BenchPro	GB1BN2	BNC female to double binding/banana posts, black	2.14 L x 1.8 W	4.95	4.49	3.95
99355	BenchPro	GB2BN2-R	BNC male to double binding/banana posts, black	2.35 L x 1.7 W	4.95	4.49	3.95
114810	BenchPro	G2P004-R	Micro test clip, 1 red, 1 black	1.7 L	1.59	1.45	1.29
153163	BenchPro	SF-207-BL-R	Micro test clip, blue	1.7 L	.75	.69	.59
114818	BenchPro	G2P002-R	Mini test clip, 1 black, 1 red	3.5 L	2.25	1.95	1.75
248921	BenchPro	SF101CP-R	Mini alligator clip, solder/crimp (set of 2)	1.2 L x .30 W	.39	.35	.29
248939	BenchPro	SF-103CP-R	Mini alligator clip, solder/crimp (set of 2)	1.6 L x 0.3 Dia.	.55	.49	.45
256525	BenchPro	SF105B-R	Alligator clip, barrel/screw, 2" (set of 2)	2.0 L x .20 Dia.	.55	.49	.45
70991	BenchPro	GIP006-R	Insulated alligator clips, 1 black, 1 red	2.3 L x .50 W	.55	.49	.39
248962	BenchPro	SF-103SV-BK	Black insulator sleeve for PNs 248939 & 256525 (set of 2)	2.1 L x .20 Dia.	.35	.29	.25
248972	BenchPro	SF103SV-RD-R	Red insulator sleeve for PNs 248939 & 256525 (set of 2)	2.1 L x .20 Dia.	.35	.29	.25
1582065	Keystone	5012-R	Looped color coded test point, white	.45 L x .063 Dia.	.25	.22	.19



153163



248921



248939



256525



70991



248962



248972



1582065

JAMECO ValuePro Test Lead Starter Kit

This kit includes our top selling test leads at a reduced price.

Includes one of each:

- BNC female-to-pigtail cable (P/N 256832)
- BNC male-to-pigtail cable (P/N 2097555)
- BNC male-to-alligator clip (P/N 11384)
- BNC male-to-mini clip (P/N 11464)
- BNC female-to-micro clip (P/N 11422)
- Mini clip to stackable banana test leads (P/N 21857)
- Double banana plug to alligator clip test leads (P/N 107423)
- Protected probes (P/N 21865)
- Protected multimeter test leads (P/N 1945962)
- Standard banana-style multimeter test leads (P/Ns 77738/77746)
- Anti-static wrist strap (P/N 34552)

★ Web Code: TLC

Part No.	Product No.	1	5
2113236	Test lead starter kit	\$39.95	\$36.95

12-Pc Computer-Service Tool Kit

- Kit includes:
 - 2 nut drivers: 3/16", 1/4"
 - 3-claw parts holder
 - 1-pc hex key wrench
 - IC extractor
 - 4-pc screwdriver set
 - Tweezers
 - Clear components tube holder
- Size: 8.5"L x 6.0"W x 1.5"H • Weight: 1.1 lbs.

Part No.	Description	1	5	25
167206	12-piece tool kit	\$14.95	\$13.49	\$11.95

26-Piece SAE Hobby Tool Set

- 4-1/2" long nose pliers
- 4-1/2" diagonal cutting pliers
- #1 & #2 Phillips bits
- #1 & #2 pozi bits
- 3/16" & 1/4" slotted bits
- Hex to 1/4" driver adapter
- T-10, T-15, and T-20 Torx bits
- 3" extension bar for 1/4" drive
- 3 slotted and 3 screw driver precision set
- 3/16", 1/4", 11/32" and 3/8" sockets for 1/4" drive
- Size: 12.0"L x 9.0"W x 2.0"H • Weight: 1.5 lbs.

Part No.	Description	1	5	25
170069	26-pc. SAE tool set	\$15.95	\$14.49	\$12.95

JAMECO BenchPro 40-Piece Electronic Tech Tool Kit

- Kit includes:
 - Wire cutters/ stripper
 - Adapter bit for sockets
 - Pocket clip screwdriver
 - 10-pc screwdriver set
 - T10-T25 reversible
 - Torx screwdriver bits
 - Potentiometer alignment tools
 - 3/16"-1/2" S.A.E. nut driver sockets
 - 6mm-12mm metric nut driver sockets
 - Slotted and Phillips screwdriver bits
 - Extra long 3-claw parts holder
 - IC inserter with pin straightener
 - IC extractor
- Size: 9.5"L x 6.8"W x 1.4"H • Weight: 1.7 lbs.

Part No.	Description	1	5	25
119183	40-piece tool kit	\$21.95	\$19.95	\$17.95

JAMECO BenchPro 51-Piece Tech Tool Kit

- Kit includes:
 - Storage box
 - 4 pliers
 - Tweezers
 - Scissors
 - 7-piece hex key set
 - PVC insulated tape
 - Multimeter
 - 10-piece screwdriver set
 - Utility knife (3 blades)
 - 2 Needle files
 - 3-piece soldering aid kit
 - Desoldering pump
 - 6-piece electronic screwdriver set
 - Soldering iron with stand and sponge
- Case features removable pallets, a combination lock and a cushioned black plastic handle
- Size: 12.5"L x 17.5"W x 3.5"H • Weight: 10.4 lbs.

Part No.	Description	1	5
26681	51-piece tool kit	\$139.95	\$129.95

PROFESSIONAL FLIPTOP TOOLBOX

Heavy-duty plastic construction

Part No.	1	5
2153115	\$21.95	\$19.95

65-Piece Master Electronics Tool Kit

Simply every tool needed for field repair or installation. All in a handsome lockable case, with room for spare parts or special equipment.

- Kit includes:
 - 7 pliers
 - Storage box
 - Wrench
 - 3-piece soldering aid kit
 - Soldering iron with stand and sponge
 - 10-piece screwdriver set
 - Brush
 - 6-piece screwdriver set
 - Desolder pump
 - Testing screwdriver
 - IC extractor
 - 7-piece hex set
 - 6-piece wrench set
 - PVC insulated tape
 - Solder core
 - Heat sink
 - Measuring tape
 - Desolder wick
 - Crimping tool
 - Oil can
 - 5-piece file set
 - Alignment tool
 - Flashlight
 - 3-prong holder
 - Hammer
 - Scissors
 - Part tube
 - Utility knife (3 blades)
 - Tweezers
- Carrying case has two removable pallets, adjustable compartments, and combination locks
- Size: 18.0"W x 13.0"D x 4.0"H • Weight: 16.0 lbs.

Part No.	Manufacturer	1	5
2157685	Goldtool	\$139.95	\$125.95
218245	BenchPro	179.95	169.95

★ For Tool Kits — Enter Web Code CAA

JAMECO BenchPro Aluminum Tool Case

Made of lightweight aluminum, this tool case is designed to take rough field use.

- Size: 19.0"L x 14.0"W x 6.0"H

Includes: Tool pallet, egg carton foam lid and 2.5" thick pre-cut foam bottom

Part No.	Description	1	5
261877	Tool/equipment case	\$49.95	\$44.95

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

NAME BRANDS	4 LEVELS OF SAVINGS	DOLLAR SALE
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Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

100-Piece Professional Electronics Tool Kit

Kit includes:

- Soldering iron
- 12 screwdrivers
- 7-piece hex key set
- Extractor
- 4 Pliers
- Adjustable wrench
- Crimper/Stripper
- 6-piece screwdriver set
- 3-piece soldering aid kit
- Flashlight
- Desoldering pump
- Multimeter
- Tweezers
- 5-piece file set
- 10-piece wrench set
- Voltage tester
- 2 bottles cleaning liquid
- Blade cutters
- Cordless screwdriver kit (bits included)
- Aluminum case features removable pallets, surface-type locks, and black plastic handle
- Size: 18.0"L x 14.0"W x 6.0"H • Weight: 20 lbs.

Part No.	Description	1	5
242851	100-piece tool kit	\$149.95	\$134.95

135-Pc. Engineer's Service Tool Kit

Kit includes:

- Crimper
- Wire stripper
- Soldering iron & kit
- Desoldering pump
- Multimeter
- Measuring tape
- Needle file set
- Screwdriver with 8 tips
- Precision screwdriver set
- 52-piece socket set
- 11-piece wrench set
- 13-piece knife set
- Carrying case
- Tweezers
- Scissors
- Spring hook
- Folding wrench

Part No.	Mfr. Part No.	Price
2129932	GTK-940A	\$219.95

6-Pc. Steel Mini Plier & Cutter Set

- Spring return
- Insulated handles

Includes:

- (1) 4.5"L diagonal cutting
- (1) 4.5"L end cutting plier
- (1) 5"L long nose plier
- (1) 5"L flat nose plier
- (1) 5"L bent nose plier
- (1) 5.75"L needle nose plier

Part No.	Description	Wt. (lbs.)	1	5
2120321	6-pcs set	0.7	\$7.95	\$7.25

Precision 5-Piece Stainless Steel Pliers Set



- Spring return
- Insulated handles

Includes: One 3.5"L micro cutting nippers and one each 4"L micro round nose pliers, long nose pliers, flat nose pliers and bent nose pliers

Part No.	Description	Wt. (lbs.)	1	5	25
73121	5-piece set	0.6	\$18.95	\$17.95	\$15.95

*Cutters/Strippers — Enter Web Code BAK

116-Piece Tech Service Tool Kit

Kit includes:

- Storage box
- 8 pliers
- Tweezers
- Spring hook
- 3-piece soldering aid kit
- Desoldering pump
- 3-piece alignment tool set
- Diagonal cutter
- Soldering iron
- Forceps
- 9-piece screwdriver set
- Wire stripper
- 5-piece file set
- Flashlight
- 3-prong holder
- PVC insulated tape
- Heat sink
- Measuring tape
- 6-piece electronic screwdriver set
- 40-piece socket & screwdriver set
- 10-piece electronic wrench set
- Size: 18.5"L x 13.8"W x 6.7"H • Weight: 22.8 lbs.
- Drill
- Desoldering wick
- Brush
- Crimping tool
- Extractor
- 7-piece hex key set
- Hammer
- Solder core
- Wrist strap
- Inspection Mirror

Part No.	Description	1	5
149024	116-piece tool kit	\$295.95	\$269.95

5.3" Flat and Half-Round Long Nose Pliers

- Stainless steel
- Spring return
- Durable rubber handles
- 5.3" length w/ 1.4" plier nose
- Knurled jaws

Part No.	Description	1	10	50	250
35474	Flat long nose	\$4.95	\$4.49	\$3.95	\$3.49
35491	Half round	4.95	4.49	3.95	3.49

Half-Round Long Nose Pliers

- Drop forged steel
- Heat treated
- Spring return action
- Knurled jaws
- Vinyl grips
- Length: 4.5"

Part No.	Description	1	5	25
177608	Half-round pliers	\$4.95	\$4.49	\$3.95

Xcelite

General Purpose Pliers and Cutters

Needle Nose, Diagonal Pliers and Cutters

- Cushion grips
- General purpose use
- Positive gripping of wire & subminiature components
- Narrow and fine tips provide increased clearance and allows use in restricted areas



Needle Nose Pliers

Part No.	Mfr. Part No.	Description	1	5
217891	L4	4" mini needle nose	\$17.95	\$16.95
217998	LN54G	5" thin long nose	18.95	17.49
146721	NN7776V	5" long nose flat	19.95	18.95

Shearcutter Pliers Set

Part No.	Mfr. Part No.	Description	1	5
152055	S2K	5.6" plier/5.2" cutter	\$17.95	\$16.95

95-Piece Pro-Tech Tool Kit

Kit includes:

- Navy blue storage box
- 7-piece hex key set
- 5-piece needle file set
- 10-piece wrench set
- 8 different pliers
- 6-piece precision screwdriver set
- Plastic fliptop box
- 29-pc. socket wrench set
- Hammer
- Inspecting mirror
- Tape measure
- Wire stripper/crimper
- Digital multimeter
- Lead-free solder core
- 30W soldering iron
- Cleaning brushes
- Aluminum flashlight
- Cushion grip screwdrivers
- Mini drill with drill bits
- Mini hobby vise

Size: 18.4"L x 13.4"W x 6.4"H

Part No.	Mfr. Part No.	1	5
2153756	GTK-750A	\$225.95	\$215.95

Electronic Starter Kit

See page 130

Snap Ring Plier

- For internal-external use
- Effective range: 18-48mm (straight)

Part No.	Size (L x W)	1	5	25
2157642	8.0" x 2.5"	\$8.95	\$8.49	\$7.95

Hand Tools for Mini-Fit™ Jr.



304928: Accepts wire range from 14-24 AWG

Part No.	Mfr. Part No.	Description	1	5
304928	63811-1000	Crimp tool	\$49.95	\$44.95
304936	11-03-0044	Extraction tool	19.95	18.95

*Crimping Tools Online — Enter Web Code GBU

*Wrenches — Enter Web Code WEL

Crimpers, Strippers, Cutters & Miscellaneous Tools

Wire Cutters/Strippers/Crimpers



Part No.	Description	Functions			Size (L" x W")	Additional	Pricing	
		Cut	Strip	Crimp			1	5
2112241	Flat cable cutter with blade-lock	✓			6.5 x 2.0	Spring-loaded handle, provides clean cut	\$2.49	\$1.95
179902	4" leaf spring cutters	✓			4.0 x 2.6	Side and flush cutting, made of forged steel, cushion grip	3.95	3.59
2123320	4.5" spring return cutters	✓			4.5 x 2.6	Side and flush cutting, made of carbon steel, vinyl grip	4.95	4.49
35482	4.3" Diagonal wire cutters	✓			4.3 x 2.1	Durable rubber handles, 0.5" cutting blade, 45° blade	6.95	6.49
161411	5" Diagonal wire cutters	✓			5.0 x 1.8	Insulated handles, 0.5" cutting blade, cuts 0.08mm fine wire	7.95	7.49
2112292	UTP/STP wire stripper, 3-24 AWG		✓		3.5 x 1.3	Strips shielded, unshielded, and twisted pair cable	2.95	2.49
159119	3-blade rotary coax cable strippers		✓		4.2 x 1.3	2 settings for cable sizes 4-10mm, RG58/59/62, black	8.95	7.95
159185	2-blade rotary coax cable strippers		✓		3.9 x 0.7	4 settings for cable sizes 4-12mm, RG58/59/62/174, grey	12.95	11.95
114535	Ratcheted BNC crimper			✓	8.5 x 2.5	Crimps RG58, RG59, RG62, RG174, and fiber optic	22.95	21.95
78992	5" wire cutter/strippers, 10-30 AWG	✓	✓		5.0 x 3.0	Insulated handles, spring return, screw-adjustable wire gauge	4.49	3.95
215889	5" wire cutter/strippers, 10-24 AWG	✓	✓		5.0 x 3.0	Insulated handles, spring return, dial to adjust wire gauge	4.49	3.95
159274	5" wire cutter/strippers, 20-24 AWG	✓	✓		5.0 x 3.0	Spring-loaded, insulated grips, cutter angled at 45°	4.95	4.49
2112284	Automatic wire strippers, 10-24 AWG	✓	✓		6.8 x 3.2	Spring-loaded handle with wire stopper for length	8.95	7.95
99443	Non-insulated terminal D-sub crimper			✓	7.3 x 1.5	Crimps D-sub and most popular non-insulated terminals	8.95	7.95
159291	6.6" wire cutter/strippers, 20-30 AWG	✓	✓		6.6 x 2.0	Steel wire cutter, wire loop, scale markings in AWG and mm	9.95	8.95
159266	D-sub crimper, 20-28 AWG	✓		✓	7.0 x 4.0	Crimps D-sub pins and sockets, weight: 9 oz.	11.95	10.95
161200	6" wire cutter/strippers	✓	✓		6.0 x 2.0	Strips 12-20 AWG stranded, 10-18 AWG solid, plier nose	14.95	13.95
161218	6" wire cutter/strippers	✓	✓		6.0 x 2.0	Strips 16-26 AWG stranded, 14-24 AWG solid, plier nose	16.95	15.95
175098	Automatic wire strippers, 8-22 AWG	✓	✓		7.0 x 3.5	Spring-loaded handle with wire stopper for length	16.95	15.49
18797	7-in-1 wire-handling tool, 10-18 AWG	✓	✓	✓	6.6 x 3.0	Steel wire cutter, wire loop, scale markings in inches and mm, red	5.95	5.49
127862	7-in-1 wire-handling tool, 16-26 AWG	✓	✓	✓	6.6 x 3.0	Steel wire cutter, wire loop, scale markings in inches and mm, blue	5.95	5.49
127871	7-in-1 wire-handling tool, 22-30 AWG	✓	✓	✓	6.6 x 3.0	Steel wire cutter, wire loop, scale markings in inches and mm, orange	6.95	6.49
2153078	8.5" wire cutter/crimper/stripper	✓	✓	✓	8.5 x 3.0	Ergonomic grip, 10-22 AWG, detailed wire gauge markings	9.95	8.95
174684	Modular cut/crimp/strip tool with blade	✓	✓	✓	8.0 x 2.0	Crimps RJ11 and RJ45 modular plugs, repeatable crimping	19.95	17.95
114527	Metal modular connector crimper	✓	✓	✓	8.0 x 2.7	Crimps 6P and 8P plugs with cable stripper/wire cutter	19.95	18.95
159312	Ratcheted modular connector crimper	✓	✓	✓	7.5 x 3.0	Crimps RJ45 (8P8C) and RJ11/12 (6P6C) plugs, insulated grip	22.95	19.95
174676	Modular cut/crimp/strip tool with blade	✓	✓	✓	8.5 x 2.2	Crimps RJ11 and RJ45 modular plugs, repeatable crimping	25.95	23.95

5-Piece Needle File Set

- Round, square, tri-square, half-round, flat
- Each 7" long

Part No.	Mfr. Part No.	1	5	25
2157589	GCP-012	\$4.95	\$4.49	\$3.95

Pocket Screwdriver

Phillips & Flat head *Web Code: CAQ

- Pen clip for pocket storage

Part No.	Description	1	10	100
127271	6"L pocket screwdriver	\$1.95	\$1.59	\$1.39

Pocket Deburring Tool

- Swivel movement
- Pocket clip
- Size: 5.5"L

Part No.	Mfr. Part No.	1	5	25
2157597	THR-300	\$3.95	\$3.49	\$3.49

Variable High-Speed Rotary Tool Kit

- Speed: 6000~32000rpm
- Motor power: 130W
- Collet capacity: 3.2mm
- 28 pcs. sanding/grinding bit set
- Case included, 2.2 lbs.
- Variable speed selector

Part No.	Description	1	5
2118977	Variable rotary tool kit	\$34.95	\$29.95

Nibbling Tool

- Perfect for cutting, trimming, or notching sheet metal up to 18 AWG
- Time-saver when working on prototyping, chassis, and circuit boards
- Minimum 0.375" hole required
- Size: 7.8"L

Part No.	Mfr. Part No.	Description	1	10
18810	HT204	Nibbling tool	\$7.95	\$6.95
29331	HT204B	Replacement bit	3.49	2.95

Impact Punch-Down Tool and Blades

- Reversible clip-in blade
- Adjustable (HI-LO) spring-loaded impact mechanism
- Storage bin on handle for spare blade (easy pushbutton release)
- Can be used with both 110 blade (P/N 175089) and 66 blade (P/N 324021)
- Blades not included
- Color: blue/yellow
- Size: 5.7"L x 1.0"W

Part No.	Description	1	5
2150387	Impact tool w/o blades	\$19.95	\$17.95
175089	Punch-down blade 110	9.95	8.95
324021	Punch-down blade 66	7.95	6.95

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

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Pliers, Cutters, Drill Bits, Mini-Drill & Stand

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EXIMCORP

Pliers and Cutters

Diagonal, Needle Nose, Nipper, Square, Bent Nose, Sportsmen & Electrician Pliers

- General purpose for picking-up, cutting and wire forming
- Forged steel
- Heat treated
- Insulated grips
- Blister packaged



Diagonal Flush Cutters

Part No.	Description	1	5	25
34658	5.25" heavy duty*	\$3.95	\$3.49	\$2.95

Needle Oval Nose Pliers with Serrated Jaws

Part No.	Description	1	5	25
42104	5.25" standard*	\$5.95	\$5.49	\$4.95

Needle Oval Nose Cutters with Serrated Jaws

Part No.	Description	1	5	25
34712	5.25" spring loaded*	\$5.49	\$4.95	\$4.49

Bent Oval Nose Pliers with Serrated Jaws

Part No.	Description	1	5	25
34796	4.5" standard bend*	\$2.95	\$2.69	\$2.39
34826	6" slim spring loaded	2.49	1.95	1.49

Bent Oval Nose Cutters with Serrated Jaws

Part No.	Description	1	5	25
34746	5.25" standard bend	\$2.39	\$2.09	\$1.95
34762	7" standard bend*	3.95	3.49	2.95

* Part of kit 2100161, below

10-Piece Pliers & Cutters Tool Kit

Ten (10) most popular tools in a kit. See (*) above

- 1 each

Part No.	Description	1	5	25
2100161	10 pliers and cutters	\$29.95	\$26.95	\$23.95

* Pliers Online — Enter Web Code XPC



PC Board Drill Bits

- Shaft diameter: 0.125"
- Use for drilling holes in glass PC boards

Part No.	Size	Diameter	1	10	100
1919537	1/8	0.125"	\$1.49	\$1.25	\$0.95
1919588	31	0.120"	1.49	1.25	.95
1919300	32	0.116"	1.49	1.25	.95
1919609	33	0.113"	1.49	1.25	.95
1919553	35	0.110"	1.49	1.25	.95
1919570	38	0.102"	1.49	1.25	.95
1919502	45	0.082"	1.49	1.25	.95
16580	59	0.040"	2.49	2.25	1.95
16619	75	0.021"	2.49	2.25	1.95

20 ASSORTED DRILL BIT GRAB BAG

P/N 2082038
See page 39

ONLY \$19.95



Mini-Drill Bit Kit

This kit is excellent for drilling through circuit and protoboards precisely.

- Mini drill (26702)
- Mini drill stand (26711)
- Drill bit sizes 45 & 59 (1919502/16580)

Part No.	Description	Price
2113252	Mini-drill bit kit	\$59.95



Mini-Drill and Stand

This Mini-Drill is excellent for drilling through circuit boards and protoboards. The drill comes with an array of drilling, grinding and sanding attachments. Drill stand is designed to function like a drill press.

26702



26711

Part No.	Description	Wt. (lbs.)	1	5	25
26702	GTT-103A drill	0.8	\$37.95	\$34.95	\$31.95
26711	GTT-104 stand	1.8	27.95	25.95	23.95

VISOR MAGNIFIER WITH LIGHT

Part No.	Mfr. P/N	1	10
2131119	VTMG6	\$6.95	\$5.95



34-Piece Security Bit Set

These bits match the security fasteners commonly used in today's electronic products.



Includes: Torx bits: #6, #8 and #10; Tri-wing bits: #1, #2, #3 and #4; Security hex bits: 5/64", 3/32", 7/64", 1/8", 9/64", 5/32" 3/16" and 1/4"; Security Torx bits: T8, T10, T15, T20, T25, T27, T30, T35 and T40; Spanner bits: 4, 6, 8 and 10mm; Phillips bits: #1, #2, #3 and #4; and 60mm magnetic bit extension that fits 1/4" hex driver

Part No.	Description	1	10
223829	32-piece security bit set	\$11.95	\$10.95

High-Speed Steel Step Drill Bit

Drill multiple holes in thin material with the same bit, faster and easier. Each bit does the work of many drill bit sizes. You can drill holes in most materials such as plastic, metal, and wood up to 1/8" thick.



- Shank size: 3/8"
- 2.4" long



Part No.	Description	1	10	50
229657	3/16" - 7/8" 13-step	\$14.95	\$13.49	\$11.95

* Drill Bits Online — Enter Web Code NEJ

Automatic Center-Punch Tool

Adjustable

- Precision instrument
- Alloy steel point
- Knurled steel body
- Size: 5.0"L x 0.5"Dia.



Part No.	Description	1	10
160282	Center punch tool	\$6.95	\$6.49



Precision Cutting Knives



- Ultra sharp cutting blades
- 2157562: Pen knife with spare blades and pocket clip
- 2157571: Precise blade with protective cover

Part No.	Size	1	5	25
2157562	5.5"L	\$2.95	\$2.49	\$1.95
2157571	6.0"L	2.95	2.49	1.95

Deluxe Precision Knife Set

- Three different knife handles – fine work, medium and heavy duty power grip
- Size: 6.3"L x 2.8"W x 1.4"H



Includes: 13 types of blades

Part No.	Description	1	10	100
72768	13 blade knife set	\$8.95	\$7.95	\$6.95

AUTO-RETRACT UTILITY KNIFE

Part No.	Mfr. P/N	1	5
2150678	WKAR1..	\$11.95	\$10.95



RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Screwdrivers, Calipers & Miscellaneous Tools



Ball-End, Hex Key, Nut Driver & Screwdriver Sets

Bondhus/Felo Products: Inferior tools cost extra money when something goes wrong. The cost of removing a stripped or broken screw head from a tight location, or replacing a damaged tool exceeds the cost of purchasing a superior tool in the first place. Get it right the first time around with these reliable tools.

- Material: Protanium high torque steel
- Ball-end inserts quickly into screw head up to 25 degrees
- Ergonomically designed anti-roll handle
- Bondhus: Made in USA; Felo: Made in Germany
- Delivers perfect balance between tip strength and working angle
- Lifetime warranty

*Web Code: CAQ

Part No.	Mfr.	Description	1	10
34041	BenchPro	6-pc. precision screwdriver set (slotted - 3/64", 1/16", 5/64", 5/32", 1/8", 9/64")	\$2.95	\$2.59
34059	BenchPro	6-pc. precision screwdriver set (Phillips #0 - 1/16", 5/64", 3/32", #1 - 1/8", 9/64")	2.95	2.59
99451	BenchPro	6-pc. long neck screwdriver set (slotted - (Dia. x L) 3/32" x 6 5/8", 1/8" x 7 5/8", 5/32" x 9 5/8", Phillips - #00 x 6 5/8", #0 x 7 5/8", #1 x 9 5/8")	10.95	9.95
99565	BenchPro	6-pc. screwdriver & plier set (slotted - (Dia. x L) 0.09" x 7 5/8", 0.312 x 9 1/2", Phillips - #2 0.09" x 7 5/8", #0 0.12" x 9 1/2", pliers - micro nipper cutter, micro flat nose pliers)	9.95	8.95
226106	BenchPro	6-pc. precision 50 mm torx screwdriver set (Torx - T5, T6, torx hex - T7, T8, T9, T10)	13.95	11.95
2096229	Felo	6-pc. screwdriver set (slotted - 9/64", 5/32", 7/32", 1/4", Phillips - #1, #2)	36.95	33.95
2157626	BenchPro	7-pc folding hex wrench set, compact foldable design, 4" long	4.95	4.49
261999	BenchPro	7-pc. 1000V insulated magnetic screwdriver set (slotted - 2.5mm)	12.95	11.49
2119005	BenchPro	8-pc. ratcheting screwdriver bit set (3-slotted, 3 philips, 1 square)	6.95	6.49
2157634	BenchPro	8-pc folding hex wrench set, compact foldable design, 4" long	4.95	4.49
2125077	BenchPro	8-pc. ratcheting screwdriver bit set (3-slotted, 3 philips, 1 square) 10 pack	22.95	19.95
2096350	Bondhus	8-pc. ball-end screwdriver set (.05", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32")	21.95	19.95
226094	BenchPro	11-pc. magnetic AWL prec. screwdriver set (slotted - .9, 1.2, 1.4, 1.8, 2.4, 3 mm, Phillips - #00, #0, #1)	3.95	2.95
2096173	Bondhus	12-pc. ball-end hex key set (.05", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16")	13.95	12.49
2153060	BenchPro	14-pc. mini screwdriver set with leather pouch and 12 flathead, philips, and Torx bits	12.95	11.95



34041



99451



99565



226106



2096229



2157626



261999



2119005



2157634



2096350



226094



2153060

30 AWG Wire Wrap/Strip Tool

Recommended for use on .0025" (0.63mm) square posts on 0.100" (2.54mm) center grids. The first 1-1/2 loop on the modified tool has wire insulation.

- Provides modified wrap for 30 gauge Kynar wire (pg 49)
- Knurled handle for easy grip • 5" long
- Wire stripper stored in handle



Part No.	Description	1	5
2150361	Modified wrap tool	\$19.95	\$17.95

1/4-Watt & 1/2-Watt Resistor & Capacitor Lead Forming Tool

- Watt size indicates appropriate package size
- Bends lead length in .005" increments
- Lead spacing: 1/4W: 0.4"-1.5"; 1/2W: 0.5"-1.5"



Part No.	Description	Size (L" x W")	1	10
106884	1/4W & 1/2W	5.4 x 1.5	\$4.95	\$4.49

5" Steel Hemostats

- Grade 410 A.I.S.I. stainless steel
- Three locking positions



Part No.	Cross Ref. No.	Description	1	10	100
115107	HEM01	Straight	\$3.95	\$2.95	\$2.49
115115	HEM02	Curved	3.95	2.95	2.49

24" Joubert Bungee Cord

- 2.75" steel hook height
- 0.81" steel hook opening
- 0.16" thick PVC coated steel hook
- Blue cord with black coated hook
- Braided jacket cover • Stretches easily to 48"



Part No.	Product No.	1	10	100
2081668	JBC24	\$.69	\$.59	\$.49



Strip-Wrap-Unwrap Tools

- Tool tip made of tempered steel
- Spring steel cutter
- Use with 30 AWG wire on .0025" square posts
- No solder necessary, see pg 49 for wire
- Wrap 1 to 2 turns of insulated portion of wire for secure connections • 4.5" long



34585

*Web Code: BBC

Part No.	Product No.	1	5
34585	HSM30 (Modified)	\$29.95	\$27.95
236785	HSR30 (Regular)	29.95	27.95

IC Pin Straightener

Straighten bent pins safely and easily with Jameco's IC pin straightener.

- Straightens 8/14/16/18/20/24/28/40/42-pin ICs
- Material: durable plastic • Size: 3.3"L x 1.5"W x 0.4"H

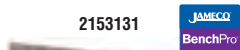
Includes: Ground terminal

Part No.	Description	1	10	100
99363	IC straightener	\$7.95	\$6.95	\$5.95

6" & 12" Stainless Steel Rulers

Tough and durable for on-site measurements

- Etched markings in centimeters and inches
- Conversion table from inches to millimeters



2153131

Part No.	Mfr. Part No.	Length	1	10	100
2153107	GMT-106	6"	\$1.95	\$1.75	\$1.49
2153131	GMT-112	12"	3.49	3.29	2.95

T-Handle Reamer Tool

Excellent for aluminum chassis work

- For enlarging starter holes on panel mount components from 1/8" to 1/2" diameter
- T-handle for easy rotation of tool
- Handle: 3.3" long, tool: 5.3" long



Part No.	Description	1	10
151750	T-handle reamer	\$7.95	\$6.95



34041



99451



99565



226106



2096229



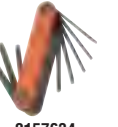
2157626



261999



2119005



2157634



2096350



226094



2153060

Metal Dial Caliper

Measures in inches

- Measures outside, inside & depth
- Accurate measurements every time
- Easy-to-read dial gauge
- Materials: metal • Color: silver
- Length: 6" (150mm)



Includes: Fitted plastic storage case

Part No.	Description (min. reading)	1	5	25
116126	Inches (.001 inch)	\$26.95	\$24.95	\$22.95

Digital Display Calipers

Metric and Inches

- Hardened stainless steel
- Display: inches to 0.001; mm to 0.01
- Instructions for making internal, external, depth & step measurements
- One-year warranty



*Web Code: PAQ

Includes: Fitted case and 1.5V silver oxide battery (replacement battery, P/N 140783, pg 127)

Part No.	Description	1	5
127482	Measures 6" (150mm)	\$29.95	\$26.95
2153545	Measures 8" (203mm)	34.95	31.95

Tweezers

- 252929: Straight round, fine-point tip, stainless steel
- 253092: Curved fine-point tip
- 252938: Self-closing reverse-action tweezers; medium point tip; stainless steel
- 253113: Fine-point tip, insulated, anti-static
- 252912: Straight fine-point tip, tapered

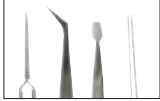


Part No.	Length	Photo	1	10	25
252929	4.75"	1	\$2.95	\$2.49	\$1.95
253092	4.6"	2	2.95	2.49	1.95
252938	4.6"	3	2.95	2.49	1.95
253113	4.75"	4	2.95	2.49	1.95
252912	4.75"	5	2.95	2.49	1.95

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

JAMECO BenchPro 4-Piece Steel Tweezer Set



- 4 styles of stainless steel tweezers, one self-locking
- Ideal for picking up small components

Part No.	Description	1	10	100
10735	4-piece tweezer set	\$5.95	\$5.49	\$4.95

***Tweezers Online — Enter Web Code FAA**

4-Pc. Conductive SMD Tweezer Set



- 4 types of tweezers: fine point, flat head for 4mm SMD chip device, flat head for 8mm SMD chip device, sharp angled tip
- Each is 4.5" long

Part No.	Description	1	10
172638	4-piece tweezer set	\$9.95	\$8.95

Vacuum Tweezers

Pick & place small parts of all kinds: glass slides, coins, optics, SMDs, film, etc.

- Size: 2.9"L x 0.6"W
- One-year warranty

Includes: 5 pads sizes 0.14" to 0.4"; 5 straight tips and 2 pieces 45° angle tips

Part No.	Description	1	5
88268	Vacuum pick & place kit	\$49.95	\$44.95

PLCC & DIP IC Extractors

***Web Code: MAB**



- Size: 4.0"L x 2.0"W

Part No.	Manufacturer	Description	1	10	100
16766	Velleman	PLCC	\$3.95	\$3.49	\$2.95
16838	BenchPro	DIP	1.65	1.49	1.25
2157600	BenchPro	3-prong	1.49	1.25	.99

Anti-Static Wrist Straps

- Comfortable, adjustable black Velcro wrist strap
- The coiled grounding cord has banana plug and alligator clips
- Extended cord: 9' L (2131266: 6' L)

Includes: 1MΩ resistor for added safety

Part No.	Mfr.	Color	1	10	100
34552	BenchPro	Blk/yellow	\$6.95	\$6.49	\$5.95
2138581	BenchPro	Blue	5.95	5.49	4.95
2131266	Velleman	Black/yellow	4.95	4.49	3.95

Conductive Anti-Static Bags and Foam

Don't get zapped!

Protect your investment with these inexpensive bags and ensure a safe work area with our conductive anti-static foam.

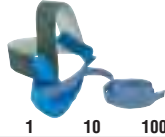
13864: 24"L x 12"W x 0.25"H * Order in multiples of 10

Part No.	Description	1	10	100
249519	4" x 6" anti-static bags	*	\$1.15	\$1.10
249527	5" x 7" anti-static bags	*	.19	.12
78650	8" x 10" anti-static bags	.49	.39	.29
13864	Anti-static foam	11.95	10.95	9.95

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Anti-Static Heel Strap

- Discharges static without restricting your mobility
- Ground strap length: 15.5"L



Part No.	Description	1	10	100
100328	Heel strap	\$5.95	\$5.49	\$4.95

Anti-Static Work Mats

Make your work environment safe from static discharge! These mats are made of attractive semi-conductive vinyl that provide adequate discharging, yet will not short leads or pins.



Part No.	Dimensions	Wt. (lbs.)	1	10	25
10576	11.3" x 22"	0.7	\$8.95	\$7.95	\$6.95
10584	19.5" x 23.5"	1.1	13.95	12.49	10.95
2130853	19.7" x 23.6"	1.1	13.95	12.95	11.95
236541	23.5" x 27.5"	1.4	25.95	22.95	19.95
2152075	24" x 48"	3.9	69.95	64.95	59.95

***Anti-Static Online — Enter Web Code XAA**

Field Service Static Kit

This mat folds easily to fit into a field service bag.

- 4 pocket for ESD safe storage
- 10" ground strap and 6" wrist strap share on one ground point
- Size: 2' x 3'



Part No.	Mfr. Part No.	1	5	25
2113720	8PK-AS07-1	\$15.95	\$14.95	\$13.95

22"L Anti-Static Plastic DIP IC Storage Rails & Rubber Rail Stops



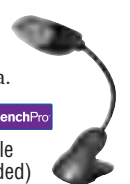
- 29524 (ICs not included)
- 29583
- 29516: .300" rail fits 8, 14, 16, 18, 20 and 22-pin ICs
- 29524: .600" rail fits 24, 28, 36 and 40-pin ICs
- 29583: Rubber stops used to plug plastic rail ends

Part No.	Cross Ref.	Description	1	10	100
29516	RIC20	.300"W rail	\$2.25	\$2.22	\$1.19
29524	RIC220	.600"W rail	.29	.25	.19
29583	RRS	Rubber stop	*	.07	.05

Clip-On Reading Light

Two bright LEDs spread the light evenly over the entire reading area.

- Overall length: 6"
- Lightweight and portable
- Flexible neck
- Adjustable light angle
- Uses 2 CR2025 coin batteries (included)



Part No.	Description	1	5	25
2120508	Clip-on LED light	\$3.95	\$3.49	\$2.95

Standard Adjustable 3 Diopter Magnifying Lamp

- 4" Diameter lens
- Maneuverable 30" arm extension
- Lamp tilts & turns in any direction
- Uses 60W incandescent bulb (not included)
- Power requirement: 110VAC/60Hz
- 3 diopter lens
- Weight: 2.9 lbs.



Part No.	Description	1	5
22710	Magnifying lamp	\$26.95	\$23.59

3 Diopter, 3-Bulb Magnifying Lamp

- Three 9-watt flourescent compact bulbs included
- Adjustable 3 diopter lens
- 7" x 4.5" rectangular lens
- 47" long arm
- 2 on/off buttons
- Color: beige
- Weight: 7.6 lbs.
- UL listed



Part No.	Description	1	5
217517	Adj. magnifying lamp	\$89.95	\$84.95

KLIP-ON Deluxe 3 Diopter Magnifying Lamps

- High quality 3.5" Dia. glass lens w/ dust cover
- 3 diopter lens
- Heavy duty 2" spring loaded clamp
- Super bright 13 watt fluorescent bulb (6400 Kelvin) included
- Weight: 2.0 lbs.
- 16" gooseneck-directs light in any directions



Part No.	Cross Ref. No.	Color	1	5
1955044	LUX250W	White	\$26.95	\$23.95
1955052	LUX250B	Black	26.95	23.95

Precision 5 Diopter Magnifying Lamp

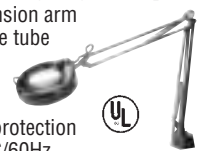
- 40" arm extension
- 5 diopter lens
- 5" diameter lens
- Weight: 7.1 lbs.
- Power requirement: 110VAC/60Hz



Part No.	Description	1	5
197456	Magnifying lamp	\$89.95	\$79.95

3 Diopter Magnifying Lamps

- 5" diameter lens
- 45" extension arm
- Supplied w/ 22-watt circuline tube
- Extra strong, all-metal mounting base with electrical outlet
- Metal bulb holder for extra protection
- Power requirement: 110VAC/60Hz
- 3 diopter lens



Part No.	Color	Wt. (lbs.)	1	5
100829	Black	7.3	\$59.95	\$54.95
149981	White	7.3	59.95	54.95

3 Diopter Magnifying Lamp

With Measurement Marking Base

- 30" arm extension
- 7" 3 diopter lens
- Adjustable plastic lens cover
- Weighted base for desktop use
- Bulb type: 4 x 3.4W LED included
- On/off switch



Part No.	Description	Wt. (lbs.)	1	5
2120330	LUX-400	21.0	\$129.95	\$116.95

***Magnifying Lamps Online — Enter Web Code DAW**

3 Diopter Flexible Neck Magnifier

- 3.5" diameter
- 3 diopter lens
- Flexible gooseneck with workbench clamp
- Arm length: 20"
- Weight: 1.8 lbs.



Part No.	Description	1	5
239548	Flexible neck magnifier	\$11.95	\$10.95

General Purpose Illuminated 3X Magnifier

- 3.5" Dia. x 7.5" L
- 90mm diameter lens
- Great for magnifying fine print
- Light requires 2 AA batteries (not included, recommend P/N 198707, pg 127)

* Web Code: DAW



Part No.	Description	1	5
149542	Illuminated magnifier	\$4.95	\$4.49

Glue Gun and Glue Sticks

- Adheres to PCBs, cardboard, wires, metal and cloth
- Silicon nozzle
- Electronic heating
- Trigger action
- Utilizes 100mm long gluesticks (2 sticks included) • Size: 7.3" L x 6.3" W



Part No.	Description	1	5	25
72696	Glue gun	\$7.95	\$7.29	\$6.49
78633	Glue sticks (6/pk)	2.95	2.49	1.95

18-Watt Pro Series Soldering Iron

- Heats up to working temperature in just 35 seconds
- Up to 900°F temperature
- Performance equivalent to a 60-watt iron
- Co-molded grip for a comfortable feel
- Designed to be self-standing, no stand is needed
- Tips use a phono jack and plug for easy tip exchange
- UL and CUL listed
- Ideal for hobbies, kits, radios, and electronics



Includes: Charger and WPS10 soldering tip

Part No.	Mfr.	Part No.	1	5
2153810	WPS18MP		\$31.95	\$29.95
2158637	WPS11		8.95	8.49
2158629	WPS10		8.95	8.49

* Soldering Irons — Enter Web Code QAS

25-Watt Thermally Balanced Soldering Iron

The XY200GX is a thermally balanced soldering iron for the professional or hobbyist.

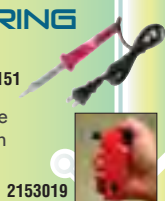
- 120VAC; 6' cord
- 25-watt power consumption
- Interchangeable tips (pg 148)
- UL listed
- Length: 8.0"
- One-year warranty

Includes: 1.6mm conical tip

Part No.	Mfr.	Part No.	1	5	25
129040	200GX-25W		\$15.95	\$13.95	\$11.95

MORE SOLDERING EQUIPMENT ONLINE

Don't be limited to what you see in the catalog, be sure to search for many more products on the website at www.Jameco.com.



Part No.	Description	1	5
2131151	20W low-cost soldering iron	\$6.95	\$6.39
2153019	Palm microbutane torch	12.95	10.95
2144649	60W replacement soldering iron	49.95	44.95

NTE

All Master® products are made in the US from superior quality materials and the finest craftsmanship. Heat guns are ideally suited for drying, heating, welding, shrinking, soldering, desoldering, and many other applications where heat is required.

- CFM selectable
- Weight: 1.0 lb.
- Includes 4 attachments & case

- No-slip adjustable stand
- Weight: 4.0 lbs.

- 3-pos. switch (hot/off/cool)

Heat Guns and Strippers



Part No.	Mfr.	Product No.	Description	Watts	Heat Setting (°F)	Temp. (°F max.)	1	5
2117413	NTE	HG300-D	Mini heat gun	350	482-662	662	\$21.95	\$20.95
254925	BenchPro	1001A	Economical heat gun	1200	600 & 1000	1000	39.95	35.95
76865	BenchPro	G1HG1	Heat gun/stripper	1500	600 & 1100	1100	47.95	42.95
2076578	Master	EC-100K	Economical heat gun (7 & 9 CFM)	1200	500 & 1000	1000	54.95	51.95
2076501	Master	HG-501A	Industrial heat gun (23 CFM)	1680	750	750	119.95	109.95
191943	Weller	6996C	Industrial heat gun	250	750-800	800	149.95	139.95
2007062	BenchPro	1004	Accessory kit for 254925	—	—	—	10.95	9.95

Butane Powered Cordless Soldering Iron

- Built-in on-off switch
- Can be used as a torch or hot blower
- Length: 8.5"
- Maximum temperature: 450°C (842°F)
- Average use of 40 minutes on a full load

Part No.	Mfr.	Part No.	1	5
645520	GASIRON2		\$29.95	\$26.95
2097491	51773		5.49	4.95

16 to 30-Watt Variable Soldering Iron & Stand

116572: Length: 7.5"

- Black anodized steel base — 5.3" L x 3.3" W
- See below for replacement sponge (P/N 134631)
- Fits most soldering irons .85" dia.

Includes: Sponge

Part No.	Description	1	5	25
116572	25W VL soldering iron	\$19.95	\$17.95	\$15.95
36329	Soldering stand	4.95	4.45	3.95
134631	Sponge (for P/N 36329)	2.95	2.59	2.29

35-Watt SMD Tweezer Iron

- Max. temp.: 760°F
- 120VAC input
- Max. efficiency ceramic heating elements insures rapid heat-up and instant heat recovery
- Heater insulation exceeds 100MΩ
- Heater power consumption: 35W ea.

Includes: 0.078" tip

Part No.	Description	1	5	25
168410	Tweezer iron	\$54.95	\$49.95	\$44.95
168583	Tip .078"	9.95	8.95	7.95
168591	Tip .590"	11.95	10.95	9.95

Legacy Replacement Sponge

- Use with XY9-60 & 968D

Part No.	Mfr.	Part No.	Size (in.)	1	5
134631	SP715		1.7 x 1.7	\$2.95	\$2.59
134640	SP815R		1.8 x 1.8	1.95	1.75
236460	78-744615		1.8 x 2.9	2.95	2.59

40-60-Watt High-Performance, Economical Soldering Irons

High-quality soldering irons that are suitable for both professional & do-it-yourself applications.

- Iron length: 9"
- 120VAC; 6' cord with 3-prong plug
- High-performance double-wound nichrome heating element
- Flexible, burn-resistant silicon cable

Part No.	Mfr.	Part No.	1	5	25
224602	40W soldering iron		\$13.95	\$12.95	\$11.95
195223	60W soldering iron		12.95	11.49	10.49
226018	Conical tip for P/N 224602		2.95	2.75	2.49

Weller® 25 & 35-Watt High-Quality Soldering Irons

- 120VAC @ 60Hz
- Interchangeable heater elements
- Lightweight handle with cushioned grip
- Quick change knurled collar
- Length: 9"

Includes: Power cord & ST3 tip (pg 146)

Part No.	Mfr.	Part No.	Description	1	5
170587	WP25		25W solder iron	\$44.95	\$39.95
192102	WP35		35W solder iron	51.95	49.95
146608	ST1		Screwdriver tip 1/16"	5.95	4.95
146616	ST3		Screwdriver tip 1/8"	5.95	4.95
192145	ST6		Screwdriver tip .031"	5.95	4.95
146624	ST7		Conical tip 1/32"	5.95	4.95

Weller® 25 & 40-Watt Marksman Home Project Kits

Perfect for beginners and hobbyists. Includes stand.

- Stainless steel barrel and heat/impact resistant handle
- Ideal for kits, radios and electronics
- Indicator light shows iron is on

2094143 Includes: Knife and 2 tips

2094160 Includes: Soldering aid tool, 3 tips & solder

Part No.	Mfr.	Part No.	Description	1	5
2094143	SP23LHPK		25W iron kit	\$19.95	\$18.95
2094160	SP40LK		40W iron kit	24.95	23.49

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Weller® 100-Watt Soldering Iron

- "Closed loop" method of controlling max. tip temperature
- Nominal heat-up time with 700°F tip is 110 seconds
- 120VAC @ 60Hz input
- Length: 6" • Weight: 0.7 lbs.



192081



Includes: CT6F7 (0.375" screwdriver tip; 700°F)

Part No.	Mfr. Part No.	Description	1	5
192081	W100PG	Solder iron	\$64.95	\$59.95
192090	CT6F7	.375" screwdriver tip ..	6.95	6.29

Weller® 25 to 125-Watt Cordless Soldering Iron Kit

- Self-igniting & instant heat
- Adjustable temperature (25W to 125W)
- Auto switch off
- Visible gas level
- Additional tips can be special ordered
- 2 hours of heat on average tank setting



Includes: Soldering tool, hot blower tip, hot knife tip, 2.4mm and 4.8mm double flat tip, cleaning sponge, storage case and instruction manual

Part No.	Mfr. Part No.	1	5
152207	PSI-100K	\$94.95	\$89.95

Weller® Dual Setting Battery Powered Soldering Iron

- Heats to working temperature in less than 15 seconds
- White LED light illuminates working surface
- Dual heat settings: 8 watts on low setting (850°F) or 11 watts on high setting (950°F)
- Co-molded grip for comfort grip and protective safety cap turns off power when placed on tool
- Over 150 intermittent solder joints with fresh batteries



Includes: Iron, tip, 4 "AA" batteries, lead free solder, and tip removal wrench

Part No.	Mfr. Part No.	1	5
1943060	BP860MP	\$23.95	\$19.95

30 to 100-Watt Soldering Kit

- 30W soldering iron
- 100W soldering gun w/ extra tip
- Manual desoldering pump
- Mini third-hand board/component holder
- Soldering aid tool
- Lead solder
- Size: 13.8"L x 11"W x 3"H



Part No.	Product No.	Wt. (lbs.)	1	5
684596	GSR-600A	4.0	\$38.95	\$34.95

WAHL® 25-Watt Cordless Soldering Iron

IsoTip® Power Pro Model #7904

- 900°F tip temperature
- LED indicator light
- Solders 200+ joints or up to 30 minutes of continuous soldering
- Iron performance equivalent to 25-watt iron
- Weight: 1.1 lbs.



Includes: Iron, charging stand, battery pack and tips

Part No.	Description	1	5
132783	Power Pro cordless iron	\$69.95	\$64.95

***Soldering Irons — Enter Web Code QAS**

Weller® 40-Watt Soldering Station

- Lighted on/off switch
- Adjustable power from 5 watts to 40 watts
- 120V @ 60Hz
- Temperature is electronically controlled from 350° to 850°F
- Illuminated on/off switch
- Size: 5.5"L x 4.5"W x 3.5"H
- Weight: 1.9 lbs.



Includes: ST3 1/8" screwdriver tip and manual

Part No.	Mfr. Part No.	1	5
146595	WLC100	\$54.95	\$49.95

Weller® Soldering Tips

ST Series: Replacement tips for WLC100, WP25, WP30, WP35 soldering irons and stations. Precision ground copper tips plated with iron, nickel and chromium.

ET Series: Replacement tips for PES51 soldering pencil (P/N 2082847). Contains a sensor hole in base of tip fitted with a stainless steel liner.

MT Series: Replacement tips for SP23 and SP23D soldering irons. Solid copper tips, nickel-plated and tinned.

*** Web Code: NAB**



146616



146624



2137983



16774



16782



16803



2137991



16811



2138003

Part No.	Mfr. P/N	Description	1	5
192145	ST6	Screwdriver tip 1/32" ...	\$5.95	\$4.95
146608	ST1	Screwdriver tip 1/16"	5.95	4.95
2137975	ST2	Screwdriver tip 1/10"	4.95	3.95
146616	ST3	Screwdriver tip 1/8"	5.95	4.95
146624	ST7	Conical tip 1/32"	5.95	4.95
2137983	ST5	Single flat tip 1/32"	4.95	3.95
16774	ETA	Screwdriver tip 1/16"	6.95	6.29
2138020	ETH	Screwdriver tip 1/32"	6.95	5.95
16782	ETJ	Long screwdriver tip 1/32"	6.95	6.29
16803	ETR	Narrow screwdriver tip 1/16"	6.95	5.95
2137991	ETP	Conical tip 1/32"	6.95	5.95
16811	ETS	Long conical tip 1/64"	6.95	6.29
2138011	ETO	Long conical tip 1/32"	6.95	5.95
2138003	MT1	Cone-shape tip 1/8"	7.95	6.95

50-Watt Soldering Station

- Manual temperature setting
- Electronic temperature control
- Power-on LED indication
- Temperature range: 374°F to 896°F
- Input voltage: 115VAC
- Input power: 50WAC max.
- Size: 7.3" x 4.0" x 3.5"
- Weight: 1.6 lbs.



NEW
MARKED IN PINK

Includes: AC cord, iron stand, and sponge

Part No.	Mfr Part No.	Description	1	5
2130626	VTSS5U	50W station	\$19.95	\$18.95

Weller® 60-Watt ESD-Safe Soldering Station

- Temperature controllable: 600°F, 700°F, or 800°F
- Closed-loop method of controlling maximum tip temperature to protect sensitive components
- Ferromagnetic temperature sensor, no adjustments necessary
- Quick disconnect plug for soldering iron and lighted on/off switch
- Impact-resistant plastic power unit
- Input: 120VAC @ 60Hz
- Size: 5.9"L x 4.5"W x 3.6"H • Weight: 4.0 lbs.



Includes: Power unit, soldering pencil with PTA7 tip (below), stand and sponge

Part No.	Mfr. P/N	Description	1	5
170552	WTCPT	Solder station	\$169.95	\$159.95
192161	TC201T	Replacement iron	87.95	83.95
192188	PTA7	Screwdriver tip 700°F	3.95	3.49

***Soldering/Desoldering Stations — Enter Web Code GEJ**

***Soldering Tips — Enter Web Code NAB**

45-Watt Lead-Free Digital Soldering Station

Grounded Soldering Tip

- 150°C to 480°C (302°F to 896°F)
- Fully grounded
- Insulated ceramic heating element for rapid heat-up and heat recovery
- Heater insulation exceeds 100MΩ
- Zero voltage circuitry eliminating high voltage spike and magnetic field generation
- Size: 4.1"L x 3.5"W x 3.5"H • Weight: 2.5 lbs.



Includes: Manual, soldering iron w/ 1/32" tip, stand, tip cleaner and sponge

156814: Sharp conical chisel tip

156822: Conical chisel tip

Part No.	Mfr. Part No.	Description	1	5
2114685	LF-369D	45W station	\$54.95	\$49.95
156814	XYB01	1/32" tip	3.95	3.49
156822	XYB04	1/16" tip	4.95	4.49
134631	SP715	Sponge	2.95	2.59

Weller® 50-Watt Analog & Digital Display Soldering Stations

Innovative heater and sensor combination for quick heat-up and rapid temperature recovery.

- Tip temperature offset capability allows user to reset temperature readings to match tip size and style
- Wireless temp. lockout
- Auto power-down after 90 minutes of inactivity
- Temp. accuracy: ±9°F
- Temperature range: 350°F to 850°F
- ESD safe
- Size: 5.9"L x 4.5"W x 3.6"H • Weight: 4.0 lbs.



233533

Includes: PES51 50W soldering iron with ETA tip, PH50 stand and sponge, and adjustment tool

Part No.	Mfr. Part No.	Description	1	5
217461	WES51	Analog	\$124.95	\$119.95
233533	WESD51	Digital	179.95	169.95
2082847	PES51	Soldering iron	41.95	39.95
2082783	WCC104	Replacement sponge ..	1.95	1.75

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.



70 & 80-Watt Lead-Free Soldering Stations

- Input: 110-120VAC @ 60Hz
- Soldering iron assembly
- Adjustable knob for temperature setting
- Weight: 5.3 lbs.



Includes: soldering station, soldering stand with cleaning pad, soldering iron and manual
1950711: Analog 70-Watt • Size: 8"L x 5.2"W x 3.8"H
 • With nichrome heating element & K-type thermocouple sensor
 • LED to indicate power (green), heater on (red)
 • Temp. acc.: $\pm 3^{\circ}\text{C}$ • Uses model 209 soldering iron
 • Temp. range: 200°C to 450°C (329°F to 842°F)

2099180: Digital 80-Watt
 • Temp. accuracy: $\pm 3^{\circ}\text{C}$
 • Temp range: 200°C to 480°C (392°F to 896°F)
 • Size: 4.2"W x 3.6"H x 5.0"D • ESD safe
 • Uses 108ESD soldering iron assembly
 • Premium-grade ceramic heating element

Part No.	Mfr. Part No.	Description	1	5
1950711	169J	Analog	\$84.95	\$79.95
2099180	LF-1600J	Digital	89.95	79.95



80-Watt High-Power Stained Glass Soldering Station

- 100-120VAC @ 60Hz
- On/off switch with "power on" indicator light
- Temperature range: 482-923°F (250-500°C)
- Variable power control
- Safety guard iron holder



Part No.	Mfr. Part No.	1	5
2118467	LT-80J	\$44.95	\$39.95



Weller® 80-Watt Soldering Station

- 120V @ 60Hz
- Lighted on/off switch
- Adjustable power from 5 to 80 watts
- Temperature: 350°F to 900°F
- Size: 5.5"L x 4.5"W x 3.5"H
- Weight: 2.1 lbs.



Includes: MTG21 1/4" chisel tip, iron stand, sponge, AC cord and manual

Part No.	Mfr. Part No.	Description	1	5
2082775	WLC200J	Soldering station ..	\$69.95	\$65.95
2082821	MTG22J	3/8" cone tip	8.95	8.49
2082783	WGC104J	Sponge	1.95	1.75



Weller® 85-Watt Digital Lead-Free Soldering Station

- New WP80 soldering pencil with short tip-to-grip (52mm)
- Barrel can be exchanged with optional longer version to work at standard length (65mm)
- Unique silver heater allows fast, efficient soldering
- Uses WP80 soldering pencil and WDH10 soldering stand
- Size: 15.4"L x 10.2"W x 5.2"H • Weight: 8.2 lbs.



Includes: LTB tip, iron stand, sponge and AC cord

Part No.	Mfr. Part No.	1	5
684772	WD1002J	\$339.95	\$319.95

*** Soldering/Desoldering Stations — Enter Web Code GEJ**



90-Watt ESD Safe, Lead-Free Soldering Station

- Specially designed for RoHS compliant soldering
- 90 watts, 115VAC/230VAC 50/60Hz
- Temperature set range: 200°C to 450°C (392°F to 842°F)
- Temp. correction range: $\pm 90^{\circ}\text{C}$ ($\pm 99^{\circ}\text{F}$)
- Alarm function for sensor circuit breaker and heater circuit breaker
- 20-minute non-usage suspend function
- 32VAC low voltage ceramic heater
- Size: 4.4"W x 6.2"H x 5.4"D • Weight: 7.6 lbs.



Includes: Separate iron holder, soldering tip and AC cord

Part No.	Mfr. Part No.	Wt. (lbs.)	1	5
2099201	LF-2000J	3.1	\$135.95	\$119.95



90 & 150-Watt ESD Safe, Digital Lead-Free Soldering Stations

- Input: 220-240VAC @ 50Hz, 100-120VAC @ 60Hz
- Aluminum housing
- High-quality sensor and heat transfer technology
- Precise temp. regulation
- Temperature ranges: 100°C to 500°C (212°F to 932°F) for LF-3000; 100°C to 480°C (212°F to 896°F) for LF-3500
- PTC sensor for quick heat-up time
- Size: 4.4"W x 6.2"H x 5.4"D



Includes: Separate iron holder with brass tip cleaner, soldering tip and AC cord

Part No.	Mfr. Part No.	Wattage	1	5
2143970	LF-3000J	90W	\$144.95	\$134.95
2146046	LF-3500J	150W	159.95	149.95

Replacement Sponges for Legacy Model Soldering Stations

134640: For 138-3

134631: For XY-60D, XY-379 & XYT379-C

Part No.	Mfr. Part No.	Size (in.)	1	5	25
134640	SP815J	1.8 x 1.8	\$1.95	\$1.75	\$1.59
134631	SP715	1.7 x 2.1	2.95	2.59	2.29

CHIPQUIK® SMD Removal Kit

- Quick and easy to use
- Potential damage to printed circuit boards is eliminated
- 2.5" of CHIPQUIK® material removes 1250-1500 SMD pins



Part No.	Description	1	5
141305	SMD removal kit	\$15.95	\$14.49

REPLACEMENT DESOLDERING IRONS

Part No.	Description	Price
2146396	80W desoldering iron for P/N 1919094 ...	\$59.95
2146409	100W desoldering iron for P/N 2099198 ...	59.95



80-Watt Lead-Free Desoldering Station

- Input voltage: 100-120VAC @ 60Hz
- Heater: 32V, 80W
- Large digital temperature display
- Adjustable temperature without changing tips
- Tip temperature accurate to $\pm 3^{\circ}\text{C}$ (6°F)
- Zero voltage switching & fully grounded design makes this unit safe on electro-sensitive devices
- Suction controlled by a finger actuator thyristor located on the desoldering handle
- Temperature range: 300°C to 450°C (572°F to 842°F)
- Size: 7.9"W x 9.3"D x 4.5"H
- Weight: 13 lbs.



Includes: DIA80 desoldering iron, 2 soldering stands, foam filters, & cleaning brush

Part No.	Mfr. Part No.	1	5
1919094	LF-6000J	\$299.95	\$284.95

100-Watt Soldering & Desoldering Station with Fume Extractor



- Input voltage: 110-120VAC @ 60Hz
- Soldering iron: 32VAC/100W 150°C to 480°C (302°F to 896°F)
- Desoldering iron: 32VAC/100W 300°C to 450°C (572°F to 842°F)
- Temperature stability: $\pm 3^{\circ}\text{C}$ (6°F)
- Temperature correction range: $\pm 99^{\circ}\text{C}$
- Energy saver mode after 20 minutes of idle time and auto power down after 40 minutes idle time
- Heater and sensor failed detection and temp. lockout features • Digital temp. readout
- Size: 4.2"W x 3.6"D x 5.0"H • Weight: 28 lbs.

Includes: 307A soldering iron, DIA100 desoldering iron, 105C, 104A & A-2000-1 soldering stand, fume extractor, AX205 micro cutting pliers, 5-piece high precision tweezers, filter and cleaning accessories for desoldering iron, AC power cord and manual

Part No.	Mfr. Part No.	1	5
2099198	LF-8800J	\$399.95	\$379.95
2095509	Desolder tip 1.2mmJ	8.95	7.95
2095517	Desolder tip 1.5mmJ	8.95	7.95

700-Watt Lead-Free Multi-Function Surface Mount Rework Station

- 3-in-1 design: soldering, desoldering, hot air function
- Heater/sensor failure detection
- Quick heat-up
- Temperature "Lock-Out" feature
- Auto cooling design
- Temp. range: 212°F to 896°F
- Weight: 24.5 lbs.



Includes: AC cord, 5-piece tweezers, replacement heating element, cleaning element, 4-piece nozzle set, iron/hot air gun holders, and IC popper

Part No.	Mfr. Part No.	1	5
2144577	LF-855DJ	\$299.95	\$279.95

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

4 LEVELS OF SAVINGS			
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

80-Watt SMD Rework Stations



2120541

- Thermocouple sensor for stable temp.
- Rapid heat-up and recovery

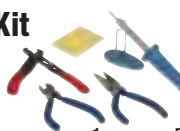
2120541 • Size: 7.4"L x 5.0"W x 3.3"H • Wt.: 2.6 lbs.
 • Adjustable temperature: 482-842°F (250-450°C)
2099219 • Size: 8.8"L x 6.0"W x 4.5"H • Wt.: 6.8 lbs.
 • Adjustable temperature: 392-896°F (200-480°C)

Includes: Base power unit, sponge, stand, surface mount tweezer iron, and stand for tweezers

Part No.	Description	1	5
2120541	SMD rework tweezer station	\$79.95	\$69.95
2099219	Soldering & tweezer combo station	139.95	129.95
168583	SMD tweezer tip (0.078")	9.95	8.95
168591	SMD tweezer tip (0.059")	11.95	10.95
156814	SMD conical tip (1/32")	3.95	3.49

30-Watt Solder Tool Kit

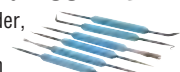
Includes: Soldering iron with stand, long nose pliers, wire strippers, side cutters & sponge



Part No.	Description	1	5
358598	7-piece tool soldering kit	\$15.95	\$13.95

6-Piece Solder Aid Tool Kit

Includes: Various tips: chip holder, spacer, reamer, lever, needle, knife, fork shaft, hook and brush



Part No.	Mfr. Part No.	1	5
2096000	GSR-107	\$5.95	\$5.49

600-Watt Lead-Free Hot Air SMD Rework Station

- Incorporates the largest pump in the industry
- Long life ceramic heater insures accurate and sufficient heat where you need it
- Automatic cooling mode protects the heating element
- Airflow capacity: 1.5L - 40L/min.
- 600W nichrome heating element
- Power supply: 100-120VAC @ 60Hz or 220-240VAC @ 50Hz
- Electronically controlled temperature system with digital readout in preset and actual temperature
- Hot air temp. range: 100°C - 480°C (212°F - 896°F)
- 25-watt diaphragm pump • Adjustable air-flow
- Size: 7.3"W x 5.3"H x 9.6"D • Weight: 10.8 lbs.

Includes: Extra 600W heater, 4 focus hood tips, 5 stainless steel anti-magnetic tweezers, IC popper for IC extraction

Part No.	Mfr. Part No.	Description	1	5
2128032	LF-852D	SMD rework	\$225.95	\$199.95
262916	A1127B	17.5mm² focus hood	24.95	19.95

***SMD Rework Stations — Enter Web Code NAT**

Vacuum Pen Tools



- ESD safe body
- Picks up components with weight of 1.1 lbs. or less

Part No.	Description	1	5
207239	Handivac tool (4 tips/cups)	\$19.95	\$17.95
207247	Pen vac tool (6 tips/cups)	39.95	33.95

900-Watt Lead-Free, ESD-Safe Soldering Rework Stations

- 3-in-1 design: soldering, desoldering, and hot air station
- 2 LED displays
- Temperature and air pressure settings
- Temperature-lock feature
- Heater and sensor failure detection
- Input voltage: 100-120/220-240VAC @ 60Hz/50Hz
- Soldering iron temperature range: 302°F - 896°F
- Desoldering iron temperature range: 572°F - 842°F
- Hot Air temperature range: 212°F - 896°F
- Fume extractor air volume: 95/115 CFM
- Weight: 26.5 lbs.

Includes: Soldering iron, desoldering iron, hot-air iron, fume extractor, extra heating element, 2 soldering iron stands, 4 hood tips and 5 tweezers

Part No.	Mfr. Part No.	1	5
2128041	LF-853D	\$599.95	\$549.95

Heat Sink & Soldering Aid Kit



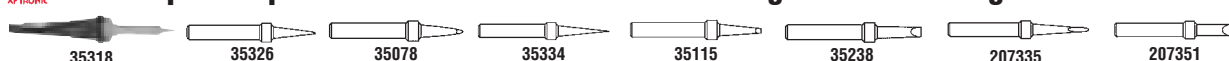
100378

100503

100378: Heat sink absorbs and dissipates heat during soldering & desoldering of sensitive parts
100503 Includes: Soldering wick, 3 pc. scraper set, acid brush, clip-on heat sink and empty squirt bottle

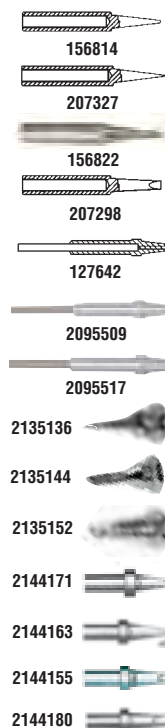
Part No.	Description	1	10	100
100378	Clip-on heat sink	\$0.79	\$0.69	\$0.59
100503	7-piece soldering kit	7.95	6.95	6.25

Tips & Replacement Parts for XYtronic Soldering and Desoldering Products



***Web Code: NAB**

For XYtronic Model Numbers (*Legacy Models)										Pricing		
Part No.	Mfr. P/N	Description	136530 379-C, LF-1600 168-258L 351238	209600 Also DE-50 168-3C	168-200PHG XY1604	960D*	968	9995DA*	LF-8000, LF-7000 LF-1000, LF-5000 LF-3000, LF-2000	1	10	25
35318	XY48	Assembly - 60W w/ nichrome heater			✓			✓		\$29.95	\$27.95	\$25.95
35326	XY401	Soldering tip - conical bevel 1/32"	✓		✓	✓		✓	✓	4.95	4.49	3.95
35078	XY402	Soldering tip - semi-chisel 1/32"	✓		✓	✓		✓	✓	4.49	3.95	3.59
35334	XY403	Soldering tip - conical sharp 1/64"	✓		✓	✓		✓	✓	4.49	3.95	3.59
35115	XY404	Soldering tip - conical chisel 1/16"	✓		✓	✓		✓	✓	4.49	3.95	3.59
35238	XY405	Soldering tip - semi-chisel wide 1/8"	✓		✓	✓		✓	✓	4.49	3.95	2.95
207335	XY406	Soldering tip - long conical chisel 3/64"	✓		✓	✓		✓	✓	4.49	3.95	2.95
207351	XY410	Soldering tip - chisel 3/16"	✓		✓	✓		✓	✓	4.49	3.95	3.59
156814	XYB01	Soldering tip - sharp conical chisel 1/32"		✓						3.95	3.49	2.95
207327	XYB03	Soldering tip - conical sharp 1/64"		✓						5.95	5.49	4.95
156822	XYB04	Soldering tip - conical sharp 1/16"		✓						4.95	4.49	3.95
207298	XYB05	Soldering tip - semi-wide chisel 1/8"		✓						4.49	3.95	3.59
127642	XYD12	Desoldering tip - 1.2mm (.0472")				✓	✓	✓		6.95	5.95	4.95
2095509	XY12	Desoldering tip - 1.2mm (.0472")						✓	✓	8.95	7.95	6.95
2095517	XY15	Desoldering tip - 1.5mm (.0586")						✓	✓	8.95	7.95	6.95
2135136	44-710654	Soldering tip - conical 0.2mm (.007")							✓	3.95	3.49	2.95
2135144	44-710657	Soldering tip - 45° flat hoof							✓	3.95	3.49	2.95
2135152	44-710682	Soldering tip - chisel 2.4mm (.094")							✓	3.95	3.49	2.95
2144171	44-413081	Soldering tip - conical 0.5mm							✓	4.95	4.49	3.95
2144163	44-413072	Soldering tip - semi-chisel 0.8mm							✓	4.95	4.49	3.95
2144180	44-413071	Soldering tip - semi-chisel wide 3.2mm							✓	4.95	4.49	3.95
2144155	44-413069	Soldering tip - flat 1.6mm							✓	4.95	4.49	3.95



RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Soldering Stands, Pots, Fume Extractors & Accessories

Electric & Manual Desolder Pumps

- Easily disassembles for cleaning
 - Replacement tips available
- 19255:** • UL listed
• One-hand operation
• Size: 10.5"L x 1.0"Dia.
- 19166:** Size: 7.8"L x 0.8"Dia.
- 1942139:** Size: 13.3"L x 1.0"Dia.

Part No. Description

19255 Electric desolder pump \$26.95 \$23.95

2131021 Vacuum desolder pump 8.95 7.95

1942139 Manual desolder pump 8.95 7.95

19166 Manual desolder pump 4.95 4.49

22091 2 tips for 19166 5.95 5.39

19262 1 tip for 19255 3.95 3.49

2146610 1 tip for 1942139 1.95 1.69

2158776 1 tip for 2131021 1.95 1.49

Part No.	Description	1	5
19255	Electric desolder pump	\$26.95	\$23.95
2131021	Vacuum desolder pump	8.95	7.95
1942139	Manual desolder pump	8.95	7.95
19166	Manual desolder pump	4.95	4.49
22091	2 tips for 19166	5.95	5.39
19262	1 tip for 19255	3.95	3.49
2146610	1 tip for 1942139	1.95	1.69
2158776	1 tip for 2131021	1.95	1.49

11-Piece Soldering Aid Tool Kit

This kit combines all the tools you need in order to begin soldering.

Kit includes:

- Tool case
- 30-watt UL listed soldering iron
- Soldering iron stand
- Heat sink clamp
- Small slotted screwdriver with stripper
- Medium slotted screwdriver
- Medium philips screwdriver
- Pliers
- Solder
- Soldering tool
- Diagonal cutters

Part No.	Product No.	1	5
2132322	GTK-059A	\$19.95	\$18.95

Heavy Duty Solder Stand

- Heavy metal base
- Sturdy screw-on iron holder
- Includes sponge
- Weight: 1.1 lbs.

Part No.	Size (L x W x H)	1	5	25
2157651	4.0" x 3.0" x 6.5"	\$9.95	\$9.49	\$8.95

Solder Spool & Iron Stand

- 4 pc. spool stand (some assembly required)
- Sponge size: 1.6"W x 2.4"L
- Shaft diameter: 0.6"

Part No.	Size (L x W x H)	Wt. (lbs.)	1	5	25
169551	6.0" x 3.5" x 3.1"	2.0	\$12.95	\$11.95	\$10.95

***Solder Spool Stand — Enter Web Code YAU**

Solder Spool Stand

- 12 pc. solder spool stand (some assembly required)
- Size: 3.6"W x 3.9"D x 4.3"H
- Shaft dia.: 0.6"

Part No.	Description	Wt. (lbs.)	1	5	25
141761	Solder stand	1.6	\$11.95	\$10.95	\$9.95

Soldering Tip Cleaner with Stand

- For cleaning soldering iron tips without the use of water and sponge
- Metal wool for cleaning
- Rubberized base for stability

Part No.	Description	Wt. (lbs.)	1	5	25
156777	Tip cleaner & stand	0.5	\$4.95	\$4.49	\$3.95
160004	Metal wool replacement	0.1	2.49	2.29	1.95

150-Watt Solder Pot

- On-off switch on handle
- Input voltage: 120VAC
- Maintains pot temp. of 450°C to 480°C (842°F to 896°F)
- 3-conductor power cord: 5' long
- Pot size: 30mm deep x 35mm Dia.

Part No.	Product No.	Wt. (lbs.)	1	5
2115418	RD-7339	1.2	\$49.95	\$44.95

300-Watt Solder Pot

Temperature Regulated Between 420°C and 450°C

- 2 conductor power cord: 5' 9" long
- Holds up to 1 bar of P/N 176057, pg 150
- Input voltage: 110VAC @ 2.7A; 50-60Hz
- Size: (unit) 4.8"H x 5.5" Dia. (base)
- Size: (tub) 2.4"Dia. x 1.6"D
- One-year warranty

Part No.	Description	Wt. (lbs.)	1	5
1951625	300W solder pot	5.9	\$89.95	\$79.95

600-Watt Solder Pot

Temperature Adjustable

- 2-wire power cord (5' 5")
- Temperature: 0°C to 500°C
- Self-regulating temperature
- Input voltage: 110VAC @ 5.5A
- On-off power switch and LED indicator for heat
- Holds up to 3 bars of P/N 176057 pg 150
- Size (unit): 6.8"L x 5.5"W x 2.8"H
- Size (tub): 3.9"L x 1.6"D

Part No.	Description	Wt. (lbs.)	1	5
172276	600W solder pot	7.4	\$249.95	\$225.95

2000-Watt Solder Pot

- Thermostat control for setting temp. from 50°C to 300°C
- Holds up to 48 bars of P/N 176057 pg 150
- 3 conductor pigtail power cord: 5'L
- Input voltage: 110VAC @ 18A, 50-60Hz single phase
- Size (unit): 18.1"L x 11.5"W x 6.0"H
- Size (tub): 12.0"L x 8.0"W x 2.9"H
- One-year warranty

Part No.	Description	Wt. (lbs.)	1	5
149876	2000W solder pot	23.1	\$329.95	\$299.95

***Solder Pots — Enter Web Code HAW**

Weller® 20-Watt Fume Extractor

This fume extractor removes flux fumes from the soldering workbench by drawing smoke through an activated carbon filter. With its exceptionally quiet fan, it can process up to 1.37 cubic meters of air per minute and its stand is adjustable allowing it to be set-up in multiple positions.

- Voltage: 120VAC
- Air consumption: 87-107CFM
- Power consumption: 20W
- Absorption capacity: 1.25 cubic meters to 1.37 cubic meter per minute
- Sound level: 45-50dB
- ESD safe
- UL/CUL listed
- Size: 10"L x 6.5"W x 11"H

Part No.	Mfr. Part No.	Wt. (lbs.)	1	5
684810	WSA350	4.2	\$68.95	\$64.95
684828	WSA350F (carbon filter)	0.02	7.95	6.95

***Fume Extractors — Enter Web Code HAR**



22-Watt Fume Extractor

Absorbs noxious lead fumes using activated-carbon filter and a high-efficiency fan

- Operate continuously providing filtered air
- Static ground jack
- Fuse protected
- Noise: 49dB fan
- Air flow: 115 CFM
- 120VAC, 60Hz, 22 watts
- Aerodynamic hood design for effective removal of solder fumes
- Removable carbon-impregnated filter
- Size: 6.4"W x 7.9"H x 4.6"D
- One-year warranty

Includes: Detachable power cord

Part No.	Description	Wt. (lbs.)	1	5
120150	Fume extractor	4.6	\$49.95	\$45.95
127183	Replace. filters (2/pk)	0.05	9.95	8.95

Fume Extractor Kit

Everything you need in order to build your very own mini pocket-sized fume extractor.

- Kit includes:
 - Voltage regulator
 - 12VDC fan
 - Slide switch
 - 2 fan guards
 - Replacement filter
 - Heat shrink
 - Jumper wire
 - Tin enclosure
 - Two 9V batteries w/ clips
- For step-by-step instructions, visit the DIY center at www.Jameco.com

Part No.	Description	1	5
2137481	13-pc. fume extractor kit	\$24.95	\$21.95

42-Watt Combination Soldering Station and Fume Extractor

- Power consumption: 42W @ 650°F (soldering iron)
- Adjustable knob for temperature control: 500°F to 800°F
- Stability @ idle: ±9°F
- Max. air volume: 95/115CFM
- LED indicator for pilot light
- Electronic zero-voltage switching
- Input voltage: 100-120VAC @ 60Hz
- Size: 6.4"W x 7.8"H x 4.7"D

Includes: Soldering iron, iron holder, sponge, carbon activated filter, power cord and manual

Part No.	Mfr. Part No.	Wt. (lbs.)	1	5
183169	456DLX	5.2	\$79.95	\$74.95

Static Eliminator with Arm Stand

Ionized air blower with variable speed control designed for use with sensitive electrical components. Eliminates the problem of electrostatic buildup around workstations.

- Air volume output: 84 cfm (max.)
- Steel enclosure
- Ozone: less than 0.01ppm
- Operating temp.: 32°F - 122°F (0°C - 50°C)
- Air flow area coverage: 5' x 1.3'
- Dimensions: 5.5"W x 8.7"H x 3.3"D

Part No.	Mfr. Part No.	Price
2153473	GS-530A	\$279.95

For more Anti-Static Products, see page 144

***For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above**

NAME BRANDS	4 LEVELS OF SAVINGS	DOLLAR SALE
HOUSE BRANDS	FACTORY OVERRUN	

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

Vises, Soldering Accessories & Tape Products

4 LEVELS OF SAVINGS			
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE

PANA VISE Multi-Purpose Work Center

- Jaws open to 9"
- Double action extra wide self-centering heads allow fast opening and closing; centered weight allows jaws to hold heavier objects; plates can be reversed to close together; reversible jaw pads feature ribbing on one side and a V groove on the other
- Base has three 1/4" countersunk mounting holes
- Overall base diameter is 8.5"

Part No.	Mfr.	Part No.	Wt. (lbs.)	1	5
684852	350		5.0	\$99.95	\$89.95

PANA VISE Electronic Work Center

- Size: 8.5"W x 7.8"H
- One-year warranty
- Includes: Circuit board holder, standard base, tray base mount and wire holder

Part No.	Mfr.	Part No.	Wt. (lbs.)	1	5
27060	324		5.3	\$99.95	\$89.95

PANA VISE Rapid Assembly Circuit Board Holder

- 8 positions rotating adjustment, six positive lock positions in the vertical plane and height adjustment for quick board rotation speeds
- Holds circuit boards from 1/8" (3.2mm) to 12" (304.8mm) wide and up to 5/32" (4mm) thick
- Arms move independently
- 10" high (from base to top of vertical shaft)

Part No.	Mfr.	Part No.	Wt. (lbs.)	1	5
684844	333		6.4	\$89.95	\$84.95

PANA VISE Vacuum Base Vise

- Head moves through three planes: 210° tilt, 360° turn and rotation
- Grooved jaws are made of reinforced thermal alloy and open up to 2.9"
- Fine/coarse adjustment
- Jaw size: 2"H x 1"W
- Base dia.: 3.4"
- Height: 7.5"H

Part No.	Mfr.	Part No.	Wt. (lbs.)	1	5
251791	209		0.8	\$39.95	\$35.95

Vacuum Base Vise

- Features the patented "split ball" that tilts, turns and rotates through three planes
- Powerful suction pad for quick and easy set-up
- Nylon jaws open 2.25"
- Size: 5.0"L x 4.0"W x 6.3"H
- One-year warranty

Part No.	Mfr.	Product No.	Wt. (lbs.)	1	5
262116	BenchPro	GV-300	3.3	\$39.95	\$35.95
27131	PanaVise	M381	3.3	69.95	63.95

Third Hand Tools

- Two adjustable arms with alligator clip jaws
- Quick and easy rotation
- Sturdy, heavy base

Part No.	Description	Size	Wt. (lbs.)	1	5
72865	With holder/sponge	2.0"	1.4	\$9.95	\$8.95
681002	With holder/sponge	3.5"	1.7	10.95	9.95
26690	Third hand	2.0"	1.4	6.95	6.49

*For Vises — Enter Web Code TAD

Solder Bars, Rolls and Pocket Packs

Soldering can get messy at times. Knowing that you also have limited space on your workbench, we offer plenty of tools to keep your soldering job clean and organized. If there's anything you don't see in the catalog, visit www.Jameco.com for even more selection.

Due to extraordinary price fluctuations, solder prices are subject to change.

Part No.	Manufacturer	% Composition				Diameter Inches/mm	Weight	Type†	Pricing	
		Tin	Lead	Silver	Copper				1	10
73576	Kester	60	40	—	—	0.031/0.787	0.5 oz.	2	\$2.95	\$2.85
32117	Kester	60	40	—	—	0.031/0.787	1.0 lb.	1	35.95	33.95
141786	ValuePro	60	40	—	—	0.031/0.787	1.1 lbs.	1	29.95	27.95
176057	ValuePro	60	40	—	—	—	1.1 lbs.	4	34.95	32.49
94570	Kester	60	40	—	—	0.05/1.27	1.3 oz.	2	4.95	4.49
73605	Kester	62	36	2	—	0.02/0.508	0.35 oz.	2	3.49	3.25
2158186	Kester	63	37	2	—	0.015/0.381	1.0 lb.	1	22.95	19.95
151474	Kester*	63	37	—	—	0.031/0.787	1.0 lb.	1	39.95	34.95
2158266	ValuePro	63	37	—	—	0.031/0.81	1.1 lbs.	1	34.95	29.95
2158178	Kester	63	37	—	—	0.050/1.27	1.0 lb.	1	34.95	29.95
115433	Kester	63	37	—	—	0.039/0.991	0.14 oz.	3	.75	.59
668262	ValuePro	96.3	—	3.2	0.5	0.04/1.02	7.2 oz.	1	39.95	36.95
668297	ValuePro	96.3	—	3.2	0.5	0.04/1.02	1.1 lbs.	1	84.95	79.95
2158194	ValuePro	96.5	—	3.0	0.5	0.118/3.0	4.5 lbs.	1	99.95	89.95
2113172	Kester	96.5	—	3.0	0.5	0.031/0.787	0.43 oz.	2	4.95	4.75
668271	ValuePro	96.5	—	3.5	—	0.04/1.02	9.6 oz.	1	44.95	39.95
170457	ValuePro	99.3	—	—	0.7	0.031/0.787	0.8 oz.	2	3.25	2.95
668078	ValuePro	99.3	—	—	0.7	0.04/1.02	7.2 oz.	1	24.95	22.95
209075	ValuePro	99.3	—	—	0.7	0.031/0.787	1.0 lb.	1	36.95	33.95

*Organic core †1. Roll 2. Packet 3. Coil 4. 13" Bar \$3 core

5' Desolder Braids

Part No.	Manufacturer	Mfr. Part No.	Description	Width (in.)	1	10
2139137	Techspray	1820-5F	No-Clean, Military & NASA certified	.035	\$4.49	\$3.95
124126	Techspray	1815-5F	No-Clean, Military & NASA certified	.055	4.49	4.29
124118	Techspray	1816-5F	No-Clean, Military & NASA certified	.075	4.25	3.95
263708	Techspray	1817-5F	No-Clean, Military & NASA certified	.098	4.95	4.69
263695	Techspray	1803-5F	Pro wick, pure rosin	.075	3.49	3.29
263599	Techspray	1804-5F	Pro wick, pure rosin	.098	3.95	3.75
263581	Techspray	1811-5F	Pro wick, pure rosin with bobbin	.098	3.95	3.59
41082	ValuePro	GISW20	Desolder braid	.079	1.99	1.79
41100	ValuePro	GISW25	Desolder braid	.098	2.19	1.99
153462	ValuePro	GSR104D	Desolder braid	.120	2.39	2.25
2113130	Chemtronics	60-3-5	Soder-Wick® no clean size 3	0.08	4.95	4.49
2113148	Chemtronics	60-4-5	Soder-Wick® no clean size 4	0.11	4.95	4.49

3M Tape Products

Part No.	Description	Color	Width (in.)	Length (yards)	Thickness (in.)	Pricing		
						1	10	50
285587	Vinyl electrical tape, Tartan 1710, UL	Black	.75	20	.0070	\$1.35	\$1.19	\$1.09
285907	Double sided foam tape	White	1.0	4	.1250	18.95	17.95	15.95

PANA VISE PV Jr. Vise

- Jaw size: 1" wide x 2" long; opening: 2.8"
- Jaw heat tolerance: 350°F
- Vertical/horizontal jaw grooves
- Fine/course adjusting knob
- The vise neck tilts, turns and rotates
- Vise height: 6.8"
- Weight: 1.4 lbs.
- Base bolt is 4.3" and fits all PanaVise base mounts

Part No.	Mfr.	Part No.	1	5
134439	PVJR 201		\$27.95	\$25.95

Clamp Vise

- No tools needed — finger turn to tighten
- Ball cup allows vise to adjust to any angle
- Nylon jaws open 2"
- Size: 10.0"L x 2.5"W

Part No.	Mfr.	Part No.	Wt. (lbs.)	1	5
127167	OR-307		2.1	\$19.95	\$17.95

Cleaning Brushes

- 153322: Metal handle
- 2157669/2157677: Plastic handle

Part No.	Description	Length	1	10	100
153322	Soft bristles	6"	\$.69	\$.59	\$.49
2157669	Brass bristles	7"	4.95	4.49	3.95
2157677	Steel bristles	7"	4.95	4.49	3.95

Plastic Pump Bottle

- 6 oz. bottle
- ESD compliant
- Plastic bottle with dispenser cover
- Color: light blue

Part No.	Mfr.	Part No.	1	5	25
158131	450		\$14.95	\$13.49	\$11.95

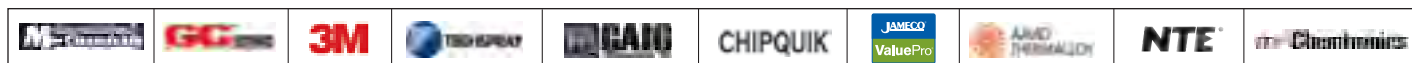
Clip-On Heat Sink

- Absorbs and dissipates heat during soldering and desoldering sensitive parts

Part No.	Product No.	Size	1	10	100
159126	HT156	2.7"L x 0.7"W	\$2.95	\$2.59	\$2.29

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Workshop Chemicals & Heat Sink Compounds



Workshop Chemicals & Heat Sink Compounds

Jameco has all the solutions to make your job easier. There's a wide variety of products that can be used with any project. Conductive pens simplify soldering jobs by just drawing a trace on the circuit board. Solder flux comes in many varieties to help work and rework your soldering jobs. Heat sink compounds take the heat off of your components without needing a bulky metal heat sink. Cleaning solutions keep your project looking clean and professional. If there's a way to make your job easier, Jameco can help. Visit www.Jameco.com for more products.

Part No.	Manufacturer	Description	Vol. (oz.)	1	10
2120794	MG Chemicals	Adhesive epoxy, high temperature encapsulating and potting compound*	12	\$44.95	\$42.95
615769	GC Electronics	Adhesive, sealant, silicon, one part, non corrosive, clear	3	5.95	5.49
645845	3M	Super adhesive, household glue #6004*	1	4.49	3.95
263530	Techspray	Air duster, Envi-Ro-Tech, acusol, 100% HCFC, non-flammable, w/ trigger*	12	21.95	19.95
2094207	Caig/DeoxIT	Air duster, non-flammable, moisture free, non-ozone depleting, no VOC*	10	9.95	8.95
2112524	ChipQuik	Cleaner & tinner, soldering tip for pre-tinning & tinning*	8†	7.95	7.49
2094231	Caig/DeoxIT	Cleaner wash, contact evaporates quickly, safe on plastics*	10	7.95	6.95
118033	Techspray	Cleaner, contact, ECONOLINE, CFC free, aerosol can*	13.5	15.95	14.95
195004	Caig/DeoxIT	Cleaner, contact dioxidizer & preservative, improves electronic connections*	5	16.95	15.95
2094215	Caig/DeoxIT	Cleaner & conditioner, soldering tip	0.5	8.95	7.95
616331	GC Electronics	Conductive paint, silver print II*	0.5#	54.95	49.95
2110529	Caig/DeoxIT	Circuit writer pen, silver based, for drawing & repairing traces, works on rubb., epoxy, glass, plastic*	5g†	18.95	16.95
263716	Techspray	Conductive pen, silver ink*	0.17	49.95	46.95
2120559	MG Chemicals	Conformal coating, acrylic lacquer, protects from ESD*	2	10.95	9.95
2110481	Caig/DeoxIT	Degreaser wash, Val-U series, fast evaporating and safe on plastic*	10	8.95	7.95
616411	GC Electronics	Developer, positive type, concentrate, dilute 9:1*	6	11.95	10.95
616438	GC Electronics	Etching solution, PC board, ferric chloride solution*	32	24.95	22.45
616446	GC Electronics	Etching solution, PC board, ferric chloride solution*	128	49.95	44.95
139934	Techspray	Freeze spray, Envi-Ro-Tech, circuit chiller, CFC and HFC free*	8	16.95	15.95
615347	GC Electronics	Heat sink compound, 100% synthetic base stocks type 44	1†	8.95	7.95
615355	GC Electronics	Heat sink compound, 100% synthetic base stocks type 44	16†	39.95	35.95
236823	ValuePro	Heat sink compound, silicon based grease	0.35†	4.95	4.49
167249	Aavid Thermalloy	Heat sink compound, silicon based grease	2†	8.95	7.95
169252	Techspray	Heat sink compound, silicon free	4†	28.95	27.95
259151	NTE	Heat sink compound, white gel, thermal grease (5 pack)	0.35†	1.95	1.85
615304	GC Electronics	Heat sink compound, zinc oxide-filled silicon grease	16†	29.95	26.95
615312	GC Electronics	Heat sink compound, zinc oxide-filled silicon grease	0.23†	2.95	2.65
615321	GC Electronics	Heat sink compound, zinc oxide-filled silicon grease	1†	7.95	7.25
2134580	Caig/DeoxIT	Invisible glove hand lotion, antibacterial, anti-static, keeps hands clean and washes right off	2	8.95	7.95
263572	Techspray	Isopropyl alcohol, plastic bottle*	16	13.95	12.95
615806	GC Electronics	Solder flux remover & cleaner II, non ODC*	16	9.95	8.95
118041	Techspray	Solder flux remover, ECONOLINE, CFC free, aerosol can*	13.5	15.95	14.95
1586015	Chipquik	Solder flux, tack for rework, no clean, 10cc w/ syringe	0.34	15.95	14.95
481764	Techspray	Solder flux, dispensing pen, No-clean, resin & halide free leaves no residue*	0.38	7.95	7.49
615224	GC Electronics	Solder flux, liquid, non corrosive, solution of special rosin in alcohol*	2	8.95	7.95
615232	GC Electronics	Solder flux, liquid, non corrosive, solution of special rosin in alcohol*	16	24.95	22.45
2094258	Caig/DeoxIT	Solder flux, rosin paste for electronic applications including PCBs	2	9.95	8.95
2113092	Chemtronics	Solder flux, rosin dispensing pen, for electronic applications including PCBs*	0.32	11.95	10.95
2110490	Caig/DeoxIT	Solder flux wash, Val-U series, fast evaporating and safe on plastic*	10	8.95	7.95
2098208	Chipquik	Solder paste, 63% SN, 37% PB, no clean 10cc w/ syringe	0.34	21.95	20.49
2098224	Chipquik	Solder paste, 63% SN, 37% PB, no clean 10cc w/ syringe, water washable	0.34	22.95	21.95
525851	Chemtronics	Cotton swabs, double headed, 6" handle, 100-pack	—	5.95	5.35

*Shipped via ground to continental U.S. only

#Troy ounces

†Measured by weight



* Workshop Chemicals — Enter Web Code YAAQ

* Heat Sink Compounds — Enter Web Code YBA



Re-Usable Plastic Prototyping Compound

"Shape-then-lock" Design Plastic

Build your invention now – without machine tools. Create super-strong custom parts, prototypes, molds, servo brackets, robot housings, sculptures, science projects, and more.

- Melts at 160°F
- Becomes rigid at room temperature
- Non-toxic, light weight and paintable
- Safely hand moldable
- Can be drilled, sawed, and machined

Part No.	Mfr. Part No.	Description	1	5
2112495	01-250	250 gram bag	\$14.95	\$13.49
2112508	01-500	500 gram bag	24.95	22.95



Scotchkote Electrical Coating FD

This reformulated clear lubricant adds an extra layer of material that will ensure your electrical connections are properly protected.

- Prevents from corrosion, moisture, oil, and acids
- Flexible when dry
- Size: 15 oz.
- Good adhesion to wood, metal and plastic

NEW
MARKED IN PINK



Part No.	Mfr. Part No.	1	5
2157941	80611604135	\$29.95	\$26.95

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

NAME BRANDS	4 LEVELS OF SAVINGS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE
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Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

Solderless Breadboards & Digital Labs

4 LEVELS OF SAVINGS			
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE



PARALLAX

Solderless Breadboards



★ Web Code: HAC

NEW
MARKED IN PINK

The screen-printed color coordinates are suitable for many types of digital and analog prototyping and circuit design. Larger models feature a heavy-duty aluminum backing with binding posts. Use Jameco's AC/DC breadboard power supply, P/N 77682 (below).

- Accepts most electronic components, including integrated circuits and transistors for digital and/or analog circuitry
- 0.1" hole spacing
- One-year warranty
- Pins are identified by numbered rows and columns
- Ideal for high frequency and low noise circuits

Buy Jumper Wire on pg 153 in bulk and SAVE!
(see Solid Hook-Up Wire on pg 49)



20670



20758



20812

WBU5 Series Key Features:

- Horizontal assembly corresponds to the operation flow design of the PC boards for handy operation
- Round hole design makes the electric connection better
- Formed with V-shaped cross-sectional groove, which allows DIP IC pins to be inserted across two parts and to increase the rate of utilization due to small pitch
- Dovetail protrusions and recesses designed to connect two adjacent parts tightly together

JE Series Key Features:

- Use to breadboard and debug circuit designs
- Low static, plastic body – CMOS safe
- Nickel-plated clips designed to withstand up to 5,000 insertion cycles
- Breadboard strips connect together to form larger working areas
- Components are easily interconnected using 20-28 AWG wire (P/N 19290 & 20080, pg 153)
- Some models feature heavy-duty aluminum backings (20758, 136901, 20812)

Part No.	Manufacturer	Cross Ref. No.	Terminal Strips	Bus Strips	Contact Points	Binding Posts	Breadboard Size (L" x W")	Baseplate Size (L" x W")	Weight (lbs.)	Pricing			
										1	10	50	100
94457	ValuePro	JE19 [★]	0	2	100	0	6.5 x 0.4	—	0.04	\$3.95	\$3.49	\$3.19	\$2.89
2155452	Wisher	WBP-317	1	0	170	0	1.9 x 1.3	—	0.03	2.95	2.69	2.49	2.19
2109801	Parallax	700-00012 [★]	1	0	170	0	1.8 x 1.4	—	0.03	4.95	4.69	4.49	4.19
2155461	Wisher	WBP-323	1	2	270	0	2.6 x 1.6	—	0.05	3.95	3.69	3.29	2.95
2125018	BusBoard	BB300 [★]	1	0	300	0	3.3 x 1.4	—	0.04	4.95	4.49	3.95	3.75
2157693	Goldtool	BB-801	1	2	400	0	3.3 x 2.1	—	0.11	4.95	4.49	3.95	3.29
20601	ValuePro	JE21 [★]	1	2	400	0	3.3 x 2.1	—	0.13	5.95	5.49	4.95	4.49
20670	ValuePro	JE22 [★]	1	0	630	0	6.5 x 1.4	—	0.20	6.95	6.29	5.49	4.95
194299	ValuePro	JE37 [★]	1	2	640	0	6.9 x 2.4	—	0.25	10.95	9.95	8.95	7.95
2157706	Goldtool	BB-102	1	2	830	0	6.5 x 2.2	—	0.21	7.95	6.95	5.95	5.29
20723	ValuePro	JE23 [★]	1	2	830	0	6.5 x 2.2	—	0.30	9.95	8.95	7.95	6.95
194272	ValuePro	JE34 [★]	2	3	1,560	3	6.5 x 4.0	8.5 x 4.7	0.73	19.95	17.95	15.95	13.49
2157714	Goldtool	BB-2T1D	2	1	1,360	2	6.5 x 3.1	8.2 x 4.0	0.68	13.95	12.95	10.95	10.49
20758	ValuePro	JE24 [★]	2	1	1,360	2	6.5 x 3.1	8.5 x 4.0	0.60	15.95	14.49	12.95	11.95
136901	ValuePro	WBU504 [†]	2	3	1,855	4	5.5 x 5.5	7.4 x 6.3	0.90	21.95	19.95	17.95	15.95
20774	ValuePro	JE25 [★]	2	4	1,660	3	6.5 x 4.3	8.5 x 5.1	0.80	22.95	20.95	18.95	16.95
2157722	Goldtool	BB-3T5D	3	5	2,390	4	6.9 x 5.8	8.7 x 7.2	1.28	24.95	22.95	19.95	19.49
20791	ValuePro	JE26 [★]	3	5	2,390	4	6.9 x 5.8	9.1 x 6.9	1.10	29.95	27.95	24.95	21.95
2157731	Goldtool	BB-4T7D	4	7	3,220	4	7.3 x 7.5	9.3 x 8.1	1.60	29.95	26.95	23.95	23.49
20812	ValuePro	JE27 [★]	4	7	3,220	4	7.3 x 7.5	9.5 x 8.3	1.40	36.95	34.95	31.95	28.95

★ Pack of 2 † WBU5 and JE series do not interconnect

Breadboard Pin to Breadboard Pin Test Leads

Part No.	Manufacturer	Description	421315			
			1	10	50	
421315	ValuePro	Breadboard pin to breadboard pin test leads (20 pk), 4 each color-coded (red, yellow, blue, black, white), 24 AWG wire, 5.9" wire length (150mm)	\$10.95	\$9.95	\$8.95	
2150467	Dagu	140-piece jumper wire kit, 100 male-male cables (40mm, 80mm, 120mm), 40 female-female cables (40mm, 80mm), 5 colors	11.95	10.95	9.95	
2117106	Schmartboard	Jumper wire kit (10 pack), each 7" long, 22AWG, color: blue, includes a 40-pin header	6.95	6.49	5.95	

JAMECO ValuePro

Digital Design Lab

- 1580 tie points
- Fixed power supply: +5VDC @ 1.0A
- Two 7-segment displays (digit height: 0.3")
- DCV digital multimeter
- One-year warranty

Solderless Breadboard

- Interconnected nickel-plated tie points, fitting all DIP sizes and all components with AWG #22-30 (0.3-0.8mm) solid leads

★ Web Code: LAJ

DC Power Supplies

- DC supplies equipped with short-circuit protection
- Variable DC power: 0 to ±15V @ 0.3A

Function Generator (6 ranges)

- Sine/triangle wave output: 0-5Vp-p variable
- Frequency ranges: 0.1Hz-2Hz, 1Hz-20Hz, 10Hz-200Hz, 100Hz-2kHz, 1kHz-20kHz, 10kHz-200kHz
- Square wave output: 0-15Vp-p

Universal Counter

- 1Hz-100MHz, with 8-digit 7-segment LED display

Includes: Power cord and manual

Part No.	Description	Size (W" x D" x H")	Wt. (lbs.)	1	5
75839	Digital lab [★]	10.6 x 13.3 x 5.0	8.1	\$489.95	\$469.95
1952599	Replacement breadboard	4.5 x 6.75 x 0.37	0.5	29.95	26.95

JAMECO ValuePro

AC/DC Power Supply

Ideal for Breadboards above

With built-in short-proof regulated power supplies.

- Input power: 120/220VAC @ 50-60Hz (switchable)
- Indicator lamps and power fuses
- Just plug in & start to use
- Compact & lightweight



International 120/220VAC Switchable

JAMECO ValuePro

Digital/Analog Design Labs

Solderless Breadboard

- 2712 connections; fits AWG #22-30 (0.3-0.8mm)

DC Power Supplies

- Fixed DC output: +5VDC @ 1A; -5VDC @ 300mA
- Variable DC output: 0 to ±15V @ 500mA (P/N 136267) and 0 to ±15V @ 1A (P/N 1919211)
- Input power: 110/220VAC @ 50-60Hz (switchable)

Function Generator (6 Ranges)

- Triangle wave output: 0-5Vp-p variable
- Frequency ranges: 0.1Hz-2Hz, 1Hz-20Hz, 10Hz-200Hz, 100Hz-2kHz, 1kHz-20kHz, 10kHz-200kHz
- Sine wave output: 0-5Vp-p variable

Other Features

- 2.5" dia., 8Ω, 25W speaker
- 2 banana sockets, 2 BNC jacks
- 2 pulse switches (2 sets of outputs: A, A̅, B, B̅)
- 2.5" dia., 8Ω, 25W speaker
- Two 7-segment LED displays (digit height: 0.3")
- 2 banana sockets, 2 BNC jacks

136267:

- 8 data switches
- 8-bit red LEDs
- 100MHz universal counter

- Includes power cord, manual and UC-03 60-pin header

1919211:

- 16 data switches
- 16-bit red LEDs
- Includes power cord, manual and jumper wires

Part No.	Description	Size (W" x D" x H")	Wt. (lbs.)	1	5
136267	Digital/analog lab [★]	12.8 x 9.8 x 3.7	8.5	\$489.95	\$459.95
1919211	Digital/analog lab	13.0 x 10.5 x 3.5	9.1	549.95	521.95
319214	Replacement for P/N 136267 [★]	6.7 x 6.5 x 0.4	0.5	39.95	35.95

- For both digital and analog circuits
- Color: beige

- Compatible with test leads P/N 77842, pg 138

- Size: 7.4"W x 5.5"D x 2.6"H
- One-year warranty

Part No.	Description	Wt. (lbs.)	1	5
77682	Power supply [★]	5.5	\$164.95	\$154.95

Output Specifications:

+5VDC @ 1A; -5V @ 300mA fixed;
0 to +15VDC @ 500mA variable;
0 to -15VDC @ 300mA variable;
12-6-0-6-12 tapped VAC, 300mA fixed

★ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.



Powered Project Breadboards

Being confined to a lab bench in order to test your circuit can be a hassle. These breadboards have a built-in power supply, so all you have to do is plug it into the wall outlet and you're ready to go! Adjustable outputs make it easy to provide the right amount of power, and internal protection makes sure that your project is safe.

- Solderless breadboard with 2420 tie points
- Outputs are short-circuit protected
- Power switch with light
- Includes: 3-prong power cord

136259:

- Fixed power: +5V @ 1A; variable power: 0 to ±15VDC @ 500mA
- Edge plate for non-DIP size components
- Input power: 120/220VAC @ 50-60Hz (switchable)
- Replacement fuse: P/N 103908, pg 36
- One-year warranty
- Breadboard size: 7.4"L x 6.8"W
- Back panel has ground terminal

1942163:

- Input power: 110VAC or 220VAC @ 50-60Hz (switch selectable)
- Triple output power supply: fixed 5VDC @ 1.5A; 0 to ±16VDC @ 0.5A (adjustable)
- Breadboard size: 6.9"L x 5.8"W
- Grounded case
- Overload protection
- Fuse protection
- Lighted power switch

Part No.	Description	Overall Size	Wt. (lbs.)	1	5
136259	5VDC @ 1A & ±15VDC @ 0.5A	9.9"L x 7.8"W x 2.8"H	6.8	\$179.95	\$169.95
1942163	5VDC @ 1.5A & ±16VDC @ 0.5A	9.8"L x 7.8"W x 3.0"H	5.8	129.95	119.95

* Web Code: XAT



136259



1942163



Resistance & Capacitance Decade Substitution Boxes

Wide-range decade substitution boxes for product design or calibration checks.

- Light durable construction
- Case may be grounded separately
- Three binding posts permit isolated substitutions
- Size: 4.7"W x 5.7"H x 1.4"D
- Weight: 0.7 lbs.

- 211668: 1% resistance substitution from 1Ω to 11.111110MΩ
- 7 decade ranges of resistance
- Values can be changed in 1Ω increments
- 0.3W resistor

- 211676: 5% capacitance substitution from 100pF to 11.111μF
- 5 decade ranges of capacitance
- 50VDC rating

Part No.	Description	1	5
211668	Resistance box	\$99.99	\$94.95
211676	Capacitance box	129.99	123.95



211668



211676

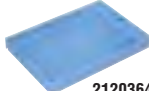


Bug Boxes

- Anti-static plastic
- Box size: 4.9"L x 3.3"W x 0.6"H
- Designed to store all types of components

Part No.	Description	1	10	100
2115670	30 compartments (white)	\$.99	\$.89	\$.79
2120364	Open/sliding lid (blue)	.99	.89	.79
2120436	30 compartments (clear)	.99	.89	.79

* Web Code: UAL



2120364

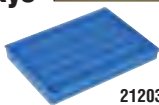


Bug Trays

- Tray size: 4.8"L x 3.6"W x 0.5"H
- 2120372: 5 compartments (4.6"L x 0.58"W x 0.3"H ea.)

Part No.	Description	1	10	100
2120372	Divided bug tray	\$.99	\$.89	\$.79
2120381	Open bug tray	.99	.89	.79

* Web Code: UAL



2120372

Plastic Fliptop Case for SMDs

- 128 compartments
- 8 rows x 16 columns grid
- Flip-top openings on each bin
- Padded cover locks bins closed
- Perfect match to store P/N 156882 SMD resistor assortment, pg 46

* Web Code: UAL



JAMECO
EXCLUSIVE

Part No.	Size (L" x W" x H")	1	10
164267	11.0 x 8.3 x 1.7	\$49.95	\$44.95



Plastic Fliptop Boxes

NEW
MARKED IN PINK

- Clear plastic box with lid
- Snap-lock
- 100256/148902: includes removable dividers
- 100256: 18 compartments
- 148902: 12 compartments

Part No.	Size (L" x W" x H")	1	10	100
100256	8.4 x 4.5 x 1.4	\$2.29	\$1.95	\$1.79
148902	10.2 x 4.7 x 1.6	4.95	4.49	3.95
2156156	7.3 x 5.8 x 1.8	5.95	5.49	4.95
2156164	5.2 x 4.5 x 5.0	10.95	9.95	8.95
2156172	8.7 x 6.5 x 2.3	13.49	11.95	10.95
2156181	11.0 x 6.7 x 2.3	13.95	12.49	11.49



100256



Component Cabinets



319600



319611

319601
Components
not included

Drawer (319601)
Divider (319611)

* Web Code: UAL

319600:

- Drawer can be divided into 3 sections (clear)
- Wall mountable cabinet (ABS black)
- Cabinet size: 6.0"D x 14.7"W x 7.4"H

- Includes: 20 clear plastic drawers, 20 dividers and 30 adhesive I.D. labels

- 319601 (drawer): 5.5"L x 2.7"W x 1.5"H

- 319611 (divider): 2.5"W x 1.2"H

2108605:

- Cabinet size: 7.0"D x 17.6"W x 9.8"H
- Counter-top design (ABS blue)

- Includes: 14 clear plastic drawers in 3 sizes: (10) 6.4"L x 3.4"W x 1.5"H, (3) 6.4"L x 8.8"W x 1.5"H, (1) 6.4"L x 8.8"W x 3.4"H and 20 adhesive I.D. labels



2108605

* Order in multiples of 10

Part No.	Description	1	10	100
319600	20-drawer cabinet	\$19.95	\$17.95	\$15.95
2108605	14-drawer cabinet	24.95	22.95	19.95
319601	Drawer for cabinet	.49	.45	.39
319611	Drawer divider for cabinet	* .15	.15	.12

Included
with every kit
on page 36!

JAMECO
EXCLUSIVE

Wire Jumper Kits

- 0.1" to 5.0" lengths (14 sizes)
- Pre-stripped/preformed
- Clear plastic durable case
- 22 AWG solid wire jumpers in 10 colors



19290

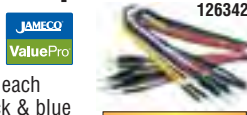
- 2127718: 70 pieces, 5 of each length
- 2096018: 140 pieces, 10 of each length
- 19290: 350 pieces, 25 of each length
- 20080: 350 pieces, refill for 19290

* Web Code: LAS

Part No.	Description	1	10	50	100
2127718	70-piece kit	\$6.95	\$6.39	\$5.75	\$5.25
2096018	140-piece kit	9.95	8.95	7.95	6.95
19290	350-piece kit	16.95	14.95	12.95	10.95
20080	Refill for 19290	11.95	10.95	8.95	6.95

Reinforced Jumper Wires

- 24 AWG-300 volts
- Reinforced pin ends for durability
- 10 pack assortment: 2 each yellow, white, red, black & blue



126342

* Web Code: LAS

Part No.	Product No.	Length (mm/inch)	1	10	100
126360	J-50-R-J	50/1.97	\$4.95	\$4.49	\$3.95
126342	J-100-R-J	100/3.94	5.95	5.39	4.95
126325	J-200-R-J	200/7.87	6.95	6.29	5.49

Deluxe Electronic Kits

- 2129115: 219 pieces; fuses, battery holders, batteries, potentiometers, loudspeaker, capacitors, resistors, photoresistors, transistors, switches, LEDs, clips, jumper and hookup wires, breadboard, AC adapter, and deluxe carrying case P/N 2129131

- 2129123: 109 pieces; voltage regulators, relays, diodes, switches, potentiometers, logic chips, DIP sockets, inverters, counters, timers, headers, 3-digit display, numeric keypad, DC power jacks, binding posts, solder tube, heatshrink tubing, printed circuit boards, clips, IC inserter, IC extractor, anti-static wristband, helping-hands, project box, deluxe carrying case P/N 2129131

- 2129131: Clear flip-top lid w/ 26 built-in compartments, case with 8 interchangeable compartments, snap-lock closure

- Color: black with clear lid
- Size: 15"L x 11.25"W x 3.75"H

Part No.	Cross Ref. No.	Description	1	5
2129115	DELUXE1	Deluxe electronic kit 1 with 219 total pieces	\$89.95	\$79.95
2129123	DELUXE2	Deluxe electronic kit 2 with 109 total pieces	99.95	89.95
2129131	5231	Deluxe carrying case with 34 compartments	17.95	16.95



2129115 Top



2129115 Bottom



2129123 Top



2129123 Bottom

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

NAME BRANDS	4 LEVELS OF SAVINGS	FACTORY OVERRUN	DOLLAR SALE
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Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

Enclosures & Prototyping Kits

4 LEVELS OF SAVINGS			
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE

JAMECO ValuePro



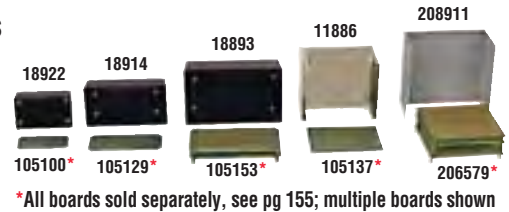
Metal and Plastic Enclosures

The prototype builder boards on pg 155 are designed to fit into our ABS plastic and aluminum enclosures, metal cabinets and heavy-duty instrument cases. The pre-cut boards have 2 or 4 mounting holes compatible with the PC board mounting hardware (P/N 106551) listed on pg 155.
Board description: Laminated glass epoxy 1/16" thick fire retardant per FR-4 specs. Copper-clad and solder mask one side. Drilled holes: .035" diameter on .080" square pad. Pads spaced on .10" x .10" grid.

JAMECO
EXCLUSIVE

*Web Code: UAL

See page 48 for Knobs and page 88 for Hardware



*All boards sold separately, see pg 155; multiple boards shown

ABS Plastic Enclosures

Lid for precision fit (adds 0.4" height). Complete with four screws and lid. All sizes below are interior dimensions.

Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
18922	H2855	3.1" x 2.0" x 0.9"	\$3.49	\$3.19	\$2.89	\$2.49
18914	H2853	4.9" x 2.5" x 1.5"	3.95	3.59	3.19	2.75
18893	H2851	6.0" x 3.5" x 1.9"	4.95	4.49	3.95	3.49
18906	H2852	7.5" x 4.3" x 2.3"	7.49	6.79	5.95	5.49

ABS Enclosures w/ Clear Top

Includes screws for mounting boards, rubber gasket for a tight seal on your equipment & drilled holes for mounting.

Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
141832	203C1	4.9" x 3.4" x 2.4"	\$9.95	\$8.95	\$7.95	\$7.29
141841	203D1	6.5" x 3.4" x 2.2"	9.95	8.95	8.49	7.95
141859	203F1	7.3" x 5.7" x 3.0"	14.95	13.95	12.95	11.95

ABS Heavy-Duty Instrument Cases

P/N 18877 includes ventilation and speaker sound slots.

Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
18869	H2505	7.9" x 6.3" x 2.5"	\$8.95	\$7.95	\$7.19	\$6.49
18877	H2507	10.0" x 7.5" x 3.1"	9.95	8.95	7.95	7.29

ABS Plastic Lip Top Enclosures

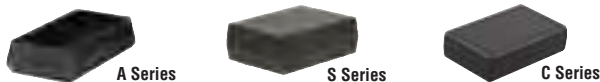
PCB standoffs molded into the case with a lip top for a precision fit. Painted black with a satin texture finish and protection against dust and splashing water. Assembly screws and lid included.

Part No.	Cross Ref. No.	Size (L x W x D)	Color	1	10	50
2138206	1551GBK	2.0" x 1.4" x 0.8"	Black	\$2.49	\$2.25	\$1.95
2138281	1553DGYBAT	5.8" x 3.5" x 1.0"	Gray	11.95	10.95	9.95

SERPAC

Specialty Enclosures

*Web Code: UAL



Please Note: Images used are representative. Color and shapes may vary by model.

A Series — with PCB Boss Mounts

- 4-piece design
- Interchangeable end panel
- 4-insert areas for customized I-plates

Part No.	Mfr. Part No.	Color	Size (L" x W" x H")	1	10	100
373456	A-42-BK	Black	7.12 x 5.00 x 1.62	\$13.95	\$12.95	\$10.95

S Series — Two-piece Standard Enclosures

- 2-piece design
- 2-insert areas for customized I-plates

Part No.	Mfr. Part No.	Color	Batt. Holder	Size (L" x W" x H")	1	10	100
675454	110-I-BK	Black	None	3.61 x 2.27 x 1.01	\$3.95	\$3.49	\$2.95
675462	111-BK	Black	None	3.61 x 2.27 x 1.51	4.95	4.49	3.95
675489	131-BK	Black	None	4.38 x 3.25 x 1.51	5.95	5.49	4.95
675500	151-BK	Black	None	5.63 x 3.25 x 1.51	6.95	6.29	5.59
675593	251-BK	Black	1-9V	5.63 x 3.25 x 1.51	7.95	7.29	6.49
675526	171-BK	Black	None	6.88 x 4.88 x 1.51	9.95	8.95	7.95
675542	173-BK	Black	None	6.88 x 4.88 x 2.51	11.95	10.95	9.95
675551	193-BK	Black	None	9.50 x 6.34 x 2.51	15.95	13.49	11.95

†Insert on top is recessed 0.015" on all models designated with an "I"

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Metal Enclosures

- Mounting screws and rubber feet included
- Glossy black textured steel top cover and ivory aluminum base

Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
208901	B2741A	4.0" x 3.3" x 2.2"	\$6.95	\$6.49	\$5.95	\$5.49
208911	B2743A	5.9" x 5.3" x 3.0"	7.95	6.95	5.95	4.95
209350	B2746A	6.3" x 7.8" x 2.5"	10.95	9.95	8.95	7.95
208929	B2744A	7.3" x 6.3" x 2.8"	11.95	10.95	9.95	8.95
209358	B2747A	7.5" x 9.8" x 3.2"	15.95	14.49	12.95	11.95

Die-Cast Aluminum Enclosures

Made from aluminum, an excellent heat-sink, these cases are great for high temp circuits (up to 600°C). Includes screws.

Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
11957	B5002	3.9" x 2.0" x 1.0"	\$7.95	\$7.49	\$6.49	\$5.95
11965	B5004	4.7" x 2.6" x 1.4"	10.95	10.49	9.49	8.95
11973	B5006	7.5" x 4.3" x 2.4"	19.95	19.49	17.95	16.95

Aluminum Enclosures

The enclosure comes in two pieces which slide together.

Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
11870	H2300	4.0" x 2.0" x 2.8"	\$7.95	\$6.95	\$5.95	\$4.95
11886	H2320	5.0" x 4.0" x 3.0"	8.95	7.95	6.95	5.95
11894	H2335	7.0" x 6.2" x 4.6"	10.95	9.95	8.95	7.95

Rugged Diecast Aluminum Alloy Enclosures

Protects from dust and splashing water, while also providing EMI/RFI shielding. Designed to meet IP54 rating. Unpainted with a vibra finish. Assembly screws included. See protoboards at www.jameco.com.

Part No.	Cross Ref. No.	Size (L x W x D)	Cover	1	10	50
2138169	1550A	3.5" x 1.4" x 1.2"	Lid top	\$6.95	\$6.25	\$5.59
2138290	1590B	4.4" x 2.3" x 1.1"	Lip top	7.95	7.25	6.49
2138302	1590BB	4.7" x 3.7" x 1.2"	Lip top	10.95	9.49	8.49

C Series — with Pinch-Fit for PCBs

- Simple 2-piece design
- 2-insert areas for customized I-plates

Part No.	Mfr. Part No.	Color	Size (L" x W" x H")	1	10	100
675331	C-4-BK	Black	2.13 x 1.38 x 0.58	\$2.95	\$2.69	\$2.39

BPS BusBoard Prototype Systems

BusBoard Prototyping Kits

*Web Code: PTK

These all-in-one prototype kits are equipped with a PCB that is designed to fit the enclosure. No cutting or drilling required.

- Precision-drilled
- Precision-etched
- Built-in standoffs
- Screws included
- Anti-tarnish protective coating for easy soldering
- High-quality FR4 glass epoxy PCBs for long life



2123881 in use



2123899 in use

Part No.	Description	Size (L" x W" x D")	1	10	50
2123881	Black ABS plastic w/ end panels	2.6 x 2.6 x 1.1	\$6.95	\$6.59	\$6.29
2128016	Black ABS plastic w/ end panels	3.6 x 2.6 x 1.1	10.95	9.95	8.95
2123899	ABS plastic w/ battery door	3.6 x 2.6 x 1.1	7.95	7.59	7.29
2123872	Black painted diecast aluminum	4.7 x 3.7 x 1.2	22.95	20.95	19.95
2127355	Ergonomic plastic w/ battery door	5.8 x 3.5 x 1.0	14.49	12.95	11.95

Prototyping PC Boards & Terminals



General Purpose Prototyping Boards

Select the prototype board that fits your needs from our comprehensive product listing. Prototyping boards with punched holes are convenient, economical tools for assembling circuit components and trying cost-effective alternatives to custom designs.

- 0.062" board thickness
- 0.1" hole spacing
- 0.08" pad size
- PCB material epoxy glass
- Plated through pads are double-sided

See PCB enclosures on pg 154, and

mounting hardware (recommend P/N 106551) below

* Web Code: LAG

Part No.	Cross Ref. No.	Size (W" x L")	Fits Enclosure(s) (see page 154)	Circuit Pattern	Hole Pads	# Holes x Dia.†	Power/Ground Buses	Connector I/O or Edge	# Mounting Holes x Dia.	Wt. (lbs.)	Pricing			
											1	10	50	100
105102	5002PCB	1.50 x 3.50	11957	C	Single-sided	365 x .038"	4	None	2 x .140"	.02	\$6.95	\$5.95	\$4.95	\$3.95
105100	2855PCB	1.60 x 2.70	18922	B	Single-sided	288 x .035"	None	None	2 x .115"	.02	5.95	5.49	4.95	4.49
105129	2853PCB	2.00 x 4.40	18914, 11965	C	Single-sided	669 x .038"	4	None	4 x .140"	.03	8.49	7.59	6.75	5.95
105111	2300PCB	2.40 x 3.40	11870	C	Single-sided	637 x .038"	4	None	2 x .140"	.03	7.95	7.19	6.49	5.95
263207	PCB-463	2.40 x 4.10	—	B	Plated through	640 x .042"	None	None	4 x .120"	.05	8.95	7.95	6.95	5.95
28178	PCB1	2.42 x 4.10	—	C	Plated through	674 x .040"	None	None	4 x .120"	.04	7.95	7.25	6.59	5.95
263215	PCB-858	2.50 x 4.20	18914	D	Plated through	640 x .042"	None	D-sub 25/USB/RJ45	4 x .120"	.05	8.95	7.95	6.95	5.95
105153	2851PCB	3.10 x 5.50	18893	C	Single-sided	1450 x .035"	7	None	4 x .140"	.07	9.95	8.95	7.95	6.95
263223	PCB-69	3.30 x 3.70	—	B	Single-sided	900 x .042"	None	None	4 x .120"	.05	8.95	7.95	6.95	5.95
105137	2320PCB	3.30 x 4.50	11886	C	Single-sided	1266 x .035"	4	None	4 x .140"	.06	8.95	7.95	6.95	5.95
105162	2852PCB	3.60 x 7.00	18906, 11973	B	Single-sided	2225 x .035"	4	None	4 x .140"	.10	13.95	12.49	10.95	9.95
21531	JE417	4.20 x 6.50	—	C	Plated through	2126 x .042"	2	D-sub 9/15/25/37	8 x .120"	.12	11.95	10.95	9.95	8.95
206587	2746APCB	4.30 x 6.80	209350	C	Single-sided	2550 x .042"	5	None	4 x .140"	.07	9.95	8.95	7.95	6.95
21435	JE401(8001)	4.50 x 6.50	18869	B/D	Single-sided	2360 x .042"	2	None	None	.12	16.95	15.49	13.95	11.95
21452	JE405(8003)	4.50 x 6.50	18869	C	Single-sided	2360 x .042"	1	None	None	.12	8.95	8.49	7.95	7.49
206579	2743APCB	4.60 x 4.30	208911	C	Single-sided	1684 x .042"	5	None	4 x .140"	.07	7.95	6.95	5.95	5.29
105180	2505PCB	5.00 x 6.50	18869	C	Single-sided	2829 x .035"	7	None	8 x .120"	.13	13.95	12.49	10.95	9.95
21478	JE407(8006)	5.00 x 13.25	—	B	Plated through	6063 x .038"	None	None	8 x .120"	.28	39.95	35.95	32.95	28.95
206594	2747APCB	5.50 x 8.00	209358	C	Single-sided	3906 x .042"	5	None	4 x .140"	1.0	11.95	10.95	9.95	8.95
105187	2507PCB	6.10 x 8.80	18877	C	Single-sided	4771 x .035"	7	None	8 x .140"	.21	16.95	15.49	13.95	11.95
263232	PCB-7038	8.30 x 11.9	—	B	Plated through	8819 x .042"	10	5	4 x .115"	.40	39.95	35.95	31.95	27.95



Vector Prototyping Boards

43140	64P44XXXP	4.50 x 6.50	18869	A	Drilled only	2860 x .042"	None	None	None	.09	\$8.95	\$8.49	\$7.95	\$7.49
52943	84P44WE	4.50 x 8.00	18877	A	Drilled only	3740 x .042"	None	None	None	.15	12.95	12.45	11.95	11.49
37612	169P44XXXP	4.50 x 17.0	—	A	Drilled only	7524 x .042"	None	None	None	.25	15.95	15.49	14.95	13.95
37621	169P84WE	8.50 x 17.0	—	A	Drilled only	14,448 x .042"	None	None	None	.53	29.95	28.95	27.95	26.95
106551	20 pieces: PC board mounting hardware (4 spacers, 8 screws and 8 washers) used with all above boards										2.95	2.59	2.29	1.95

* PC/XT 8-bit # PCB material: phenolic † All 0.042" Diameter hole boards use terminals P/Ns 34147, 34155 and 34163 (below)



.042" Diameter Copper Alloy Wire Wrap and Push-In Terminals

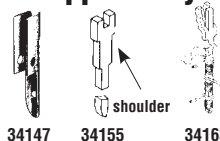
34147: Push-In Micro-Klip Terminals

34155: Miniwrap Wiring Terminals • Shoulder: .045"

- Two-prong w/ square tail for wire wrapping

34163: Klipwrap Wiring Terminals

- Three-prong with square tail for wire wrapping



Part No.	Mfr. Part No.	Height Above .062" Board	Length Below .062" Board	Post Size	Overall Length	100 pc. units	
						1	10
34147	T421-1/C	.200	.097	.032" x .045"	.36"	\$8.95	\$7.95
34155	T44/C	.065	.530	.025" Sq.	.69"	9.95	8.95
34163	T49/C	.200	.530	.025" Sq.	.83"	17.95	16.49



Spring Loaded Contact and Receptacle Terminals

* Web Code: SPC

2125683: Barrel - copper alloy, gold plated; spring - stainless steel; ball - stainless steel gold plated; plunger - beryllium copper, gold plated; receptacle - copper alloy gold plated

2129861/2129879: Barrel - nickel/silver gold plated, spring - beryllium copper or stainless steel gold plated, plunger - beryllium copper gold plated over nickel, receptacle - nickel/silver, gold plated post

2135232: Spring - beryllium copper nickel plated or stainless steel, plunger - beryllium copper or steel, gold plated over nickel, receptacle - nickel/silver, gold plated, gold plated post

2135259/2135241: Plunger - hardened beryllium copper, body - gold plated phosphorous bronze, spring and ball - stainless steel

Min. centers: 0.100"; current rating 15A; working travel: 0.17" (0.25" max.); force: 6.7 oz (190grams); 0.054" Dia. x 1.31" L x 0.060" probe tip

Part No.	Mfr. Part No.	Description	1	10	100
2125683	SH-100-F-6.7-G	0.100" probe	\$1.75	\$1.49	\$1.25

Min. centers: 0.100"; current rating 3A; working travel: 0.100" (0.16" max.); force: 4.0 oz (113grams); 0.054" Dia. x 0.97" L x 0.040" probe tip

Part No.	Mfr. Part No.	Description	1	10	100
2129861	S-25-J-4-G	0.100" probe	\$3.99	\$3.35	\$2.99



Wire wrap post, min. centers: 0.075"; current rating 3A; working travel: 0.050"; force: 4.9 oz (139grams); 0.429" post length x 0.695" length

Part No.	Mfr. Part No.	Description	1	10	100
2129879	RSS-75-WW	0.075" receptacle	\$3.99	\$3.35	\$2.99

Wire wrap post, min. centers: 0.100"; current rating 3A; working travel: 0.17", post length, 0.054" diameter x 1.31" length

Part No.	Mfr. Part No.	Description	1	10	100
2135232	R-100-WW-429	0.100" receptacle	\$2.99	\$2.25	\$2.22

Min. centers: 0.187"; current rating 20A; working travel: 0.167", spring force: 3.5 oz (99 grams); 1.21" length (peg), 1.05" length x 0.133" diameter

Part No.	Mfr. Part No.	Description	1	10	100
2135259	P2757G-1R1S	0.187" probe	\$4.95	\$4.49	\$3.95
2135241	S2757-2ED	0.187" receptacle	3.95	3.49	2.95

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

4 LEVELS OF SAVINGS			
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com



BusBoard Breadboards and Prototyping Boards

BPS prototyping boards have unique board patterns that help speed-up the construction of your electronic prototypes and circuits. The breadboards and protoboards have the same pin-outs so you can transfer your design directly from the breadboard to the solderable protoboard.

- Precision-drilled
- Precision-etched

Plug-In Breadboards

These solderless "plug-in" breadboards provide a quick way to build and test circuits and can be transferred directly to the protoboards right away.

Part No.	Product No.	Size (L" x W" x D")	Points	1	10	50
2125018	BB300	3.3 x 1.4 x 0.3	300	\$4.95	\$4.49	\$3.95
20601	BB400	3.3 x 2.1 x 0.3	400	5.95	5.49	4.95
2123830	BB400T*	3.3 x 2.1 x 0.3	400	5.95	5.39	4.79
2125026	BB830T*	6.5 x 2.2 x 0.3	830	7.95	7.49	6.95

*Transparent



Accommodates any mixture of 0.3" to 0.6" wide ICs with any number of pins, and any combination of resistors, capacitors, diodes, transistors, etc.

- Features power buses that connect to a power jack (recommended P/Ns 101178 & 101186, pg 109)

Part No.	Product No.	Size (L" x W")	Hole Pads	# Holes x Dia.	# Mntg Holes x Dia.	1	10	50
645677	PT-35X25	3.5 x 2.5	Double-sided	456 x .036"	4 x .140"	\$9.95	\$8.95	\$7.95
262511	PT-5X37	5 x 3.7	Double-sided	1135 x .036"	4 x .140"	12.95	11.95	10.95
262537	PT-6X49	6 x 4.9	Double-sided	1931 x .036"	4 x .140"	14.95	13.95	12.95

Positive Pre-Sensitized Circuit Boards

1 oz. copper (.0014") on an epoxy glass FR-4 board, UL94V-0 rated. The peel-off coating protects the board while handling or cutting prior to exposure. Use with developer mixed 1:9 with water (recommend P/N 616411, pg 151).

* Web Code: CTB

Part No.	Mfr. Part No.	Description	Size	1	10	50
616251	21-334	Single-sided	4" x 6"	\$6.49	\$5.95	\$5.49
616260	21-336	Single-sided	6" x 6"	7.95	7.29	6.49
616307	21-353	Double-sided	6" x 9"	13.95	12.95	11.95

Prototype Boards

Export Design Phenolic Prototype Board

Accommodates all types of IC's, transistor packages and passive parts. Lands and bus bars are tin plated. 0.1" centers.

Part No.	Mfr. Part No.	Size (W" x L" x Thick")	1	10	50
616631	22-504	3 1/8 x 5 1/16 x 1/16	\$6.95	\$6.29	\$5.69

Experimenter's Phenolic Prototype Boards

616649: Copper plated with 94 five-point terminals and two 40-point bus strips

616673: Single land pattern

Part No.	Mfr. Part No.	Size (W" x L" x Thick")	1	10	50
616649	22-508	2.0 x 6.0 x 1/16	\$13.95	\$12.95	\$11.95
616673	22-512	3 3/8 x 6.75 x 1/16	6.95	6.49	5.95

Perforated Bare Phenolic Prototype Boards

Unexcelled for prototypes, breadboards, hobby or science projects. Bare phenolic board with no copper clad.

616681: 0.1" spacing 616690: 0.265" spacing

Part No.	Mfr. Part No.	Size (W" x L" x Thick")	Hole Dia.	1	10	50
616681	22-514	2.25 x 6.0 x 1/16	.093	\$7.95	\$7.49	\$6.95
616690	22-516	4.50 x 6.0 x 1/16	.042	5.95	5.49	4.95

Versa Strip Phenolic Prototype Board

- Alpha-numeric indexing
- 0.035" diameter holes
- Silver-plated land patterns
- 0.1" centers

Part No.	Mfr. Part No.	Size (W" x L" x Thick")	1	10	50
616622	22-502	3.5 x 6.0 x 1/16	\$14.95	\$13.95	\$12.95

Plug-In IC Phenolic Prototype Board

ICs plug directly into board. Its 0.1" spacing accepts 14-pin up to 20-pin ICs. Silver plated lands with 24-way card edge connector plug on one end. 0.035" diameter holes.

Part No.	Mfr. Part No.	Size (W" x L" x Thick")	1	10	50
616614	22-500	2.38 x 4.0 x 1/16	\$6.95	\$6.49	\$5.95

Solderable PC Protoboards

- High-quality FR4 glass epoxy PCBs for long life
- Anti-tarnish protective coating for easy soldering

Part No.	Product No.	Size (L" x W" x D")	Points	1	10	50
2125042	SB300	3.0 x 1.20 x 0.06	300	\$4.95	\$4.49	\$3.95
2125051	SB400	3.0 x 1.90 x 0.06	400	5.95	5.49	4.95
2125034	BR1	7.0 x 1.85 x 0.06	830	6.95	6.49	5.95
2127241	PR3U	6.3 x 3.9 x 0.06	2356	10.95	9.49	8.95
2127267	ST3U	6.3 x 3.9 x 0.06	2356	10.95	9.49	8.95

PT Series Prototyping Boards

* Web Code: LAG



645677



262511



262537

Bare Copper Circuit Boards – Single Sided

1 oz. copper on base of either fiberglass or reinforced epoxy board.

Part No.	Mfr. Part No.	Size (W" x L" x Thick")	1	10	50
616471	22-250	3" x 5" x 1/16"	\$4.95	\$4.49	\$3.95
616489	22-260	4" x 6" x 1/16"	4.49	3.95	3.49
616497	22-261	6" x 6" x 1/16"	4.95	4.59	4.25
616500	22-263	6" x 9" x 1/16"	5.95	5.49	4.95
616518	22-264	8" x 10" x 1/16"	10.95	9.95	8.95
616534	22-268	11" x 14" x 1/16"	17.95	16.95	15.95

* Web Code: CTB

Copper-Plated Blank Circuit Boards

Ideal for hobbyists & students doing prototypes of circuits. Both single and double-sided boards are copper plated.

- 1.6mm (1/16") thick
- PCB material: phenolic



Fig. 1



Fig. 2



Fig. 3

Part No.	Cross Ref. No.	Description	Fig.	Size (L" x W")	1	10	50
169279	PCBS3X6	Single-sided	3	2.9 x 5.9	\$2.95	\$2.69	\$2.39
169288	PCBS6X6	Single-sided	2	5.9 x 5.9	3.95	3.49	2.95
169296	PCBS12X12	Single-sided	1	11.8 x 11.8	11.95	10.95	9.95
169309	PCBD3X6	Double-sided	3	2.9 x 5.9	3.95	3.49	2.95
169317	PCBD6X6	Double-sided	2	5.9 x 5.9	6.95	6.39	5.59
169325	PCBD12X12	Double-sided	1	11.8 x 11.8	19.95	17.95	15.95

Photofabrication, Exposure and Economy Etching Kit

The kits below allow you to produce professional printed circuit boards quickly and at a lower cost than a professional design house.

* Web Code: MGC

2121017: Photofabrication kit

- 3 single sided presensitized PCB boards (3" x 5", 4" x 6" and 6" x 6")
- Instruction sheet
- Chemicals: developer and ferric chloride
- Foam brushes, development tray, rubber gloves

2121025: Exposure kit

- Fluorescent light fixture w/ stand
- Instruction sheet
- Daylight fluorescent bulb
- Acrylic weight for artwork

2121033: Economy Etching kit

- 5 liter etching tank
- Instruction sheet
- Air pump and tubing, spraying unit, vinyl gloves

Part No.	Description	1	5
2121017	416-K photofabrication kit*	\$69.95	\$64.95
2121025	416-X exposure kit	69.95	64.95
2121033	416-ES economy etching kit	69.95	64.95

* Shipped via ground – available continental U.S. only

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

JAMECO ValuePro

Prototyping Developer Kit

The Jameco prototyping developer kit includes everything you need to get started with prototyping your own PCB.

- 2 pre-coated circuit boards, 3" x 4" x 1/16" (P/N 156751, below)
- 4 oz. positive developer concentrate (P/N 156734, below)
- 32 oz. etching solution (P/N 616438, pg 151)

Part No.	Description	1	5
2113244	Prototyping developer kit*	\$46.95	\$42.49

*Shipped via ground – available continental U.S. only

DATAK Pre-Sensitized Circuit Boards & Chemicals

- Pre-coated circuit board
- 1/16" thick

Includes: Instructions

P/N 2097088 Includes:

ER-18 tinnit solution, 8" x 6" x 2" pan, 16 oz. bottle

Part No.	Mfr. Part No.	Description	1	10	50
2097117	14-024	Single sided (2.0"L x 4.0"W)	\$4.49	\$3.95	\$3.49
156751	14-034	Single sided (3.0"L x 4.0"W)	5.49	4.95	4.49
156742	14-234	Double-sided (3.0"L x 4.0"W)	5.95	5.49	4.95
156734	12-404*	4 oz. positive developer	17.95	16.95	15.49
2097070	12-500	Clear copy sheets (8.5" x 11.5") 5 pk.	4.95	4.49	3.95
2097088	12-800	Tin plating copper kit	19.95	17.95	15.95
70201	ER3*	Dry concentrated etchant (makes 1 pint)	6.95	6.49	5.95

*Shipped via ground – available continental U.S. only

BELLIN DYNAMIC SYSTEMS, INC. Surface Mount Proto Boards

Prototyping SMT circuit boards has been tedious and time-consuming. Now there is an easy, cost-effective and versatile Snap-Apart™ solution from Bellin Dynamic Systems.

- V-groove scoring between elements for smooth straight edges
- Compatible with .100" single or dual row male headers (see pg 62)
- Board thickness: 0.031" • Size: 7.6"L x 5.0"W
- Visit www.Jameco.com for additional specifications

Small SMT

Part No.	Mfr. P/N	Board Description	1	10
215491	B502	160 SMT pattern, SOT/SOIC/TSOP/MSOP/DPAK & more ...	\$44.95	\$39.95
227344	B513	300 SMT pattern, SC90, SOT23-6, 323-6, TSOP, MSOP8, 10+	44.95	39.95

SOIC

215520	B505	60 SOIC SMT pattern, SOIC 8, 14, 16, 24, 32, 40 & more ..	\$44.95	\$39.95
227310	B510	140 SMT pattern, SOIC 8 to DIP .300" width	44.95	39.95

Fine Pitch Dual Row

323889	B516	54 SMT pattern, 0.65mm TSSOP 14/16/20/28 to DIP 0.300/0.600	\$44.95	\$39.95
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microEngineering Labs "PICProto" Prototyping Boards

- Holds microcontroller, 5V regulator, oscillator, capacitors and DB9-25 connector
- Double-sided board with plated-through holes
- Large prototyping area
- Silkscreen legend
- Solder mask on both sides makes soldering easy

Includes: Documentation sheet with schematic, suggested parts and placement

PICProto 18: All 18-pin PICs including PIC16C52, 54, 56, 58, 554, 558, 61, 620, 621, 622, 710, 711, 712, 715, 716, 84, 16CE623, 624, 625, 16F627, 628, 83 and 84

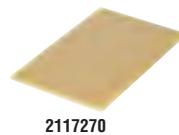
PICProto 64: For the 40-pin PIC16C64, 65, 662, 67, 74, 77, 774, 16F74, 77, 871, 874, 18C422 and 452

Part No.	Mfr. Part No.	Description	Size (L" x W")	1	5
132644	PP18	PICProto 18	3.0 x 1.5	\$9.95	\$8.95
132652	PP64	PICProto 64	4.0 x 3.0	16.95	12.95

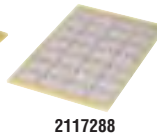
*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

BoardworX

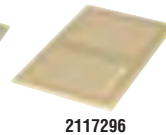
Surface Mount Proto Boards



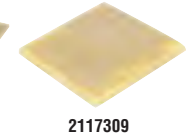
2117270



2117288



2117296



2117309

BoardworX utilizes a new SMT prototyping system called the "Universal Grid" concept which allows fast and easy prototyping of almost all surface mount parts on a single board (except BGAs)

2117270: Surface mount only

2117288: Surface mount and 28 power plane pads

2117296: Surface mount and thru-hole

2117309: Surface mount only (3-pack)

*Web Code: HDS

Part No.	Description	Size	Grid Spacing (Top/Bottom)	1	10	100
2117270	SMT-100	3" x 2"	0.02"/0.025"	\$11.95	\$11.49	\$10.95
2117288	SMT-200	3" x 2"	0.02"/power pad	11.95	11.49	10.95
2117296	SMT-300	3" x 2"	0.02"/0.025"	11.95	11.49	10.95
2117309	SMT-400	1" x 0.95"	0.02"/0.025"	6.49	5.95	5.49



SMT to DIP Adapters

*Web Code: HDS



2150125



2150117



2150109



2130263

These adapters make it easy to prototype with surface mount ICs on your solderless breadboard. Simply solder the IC onto the adapter and the pins will plug directly into your board. For more adapters, visit www.Jameco.com

- Multiple boards in one package that break away
- Each one includes a row of headers for use with breadboards

Part No.	Mfr Part No.	Pitch	No. of Boards	1	5
2150125	204-0007-01	0.5mm/0805 SMT	2 total: one 10-pin, one 28-pin	\$5.95	\$5.49
2150117	204-0006-01	0.65mm/0805 SMT	3 total: one 8-pin, one 20-pin, one 28-pin	5.95	5.49
2150109	204-0003-01	0.95mm/0.65mm	6 total: two 8-pin, four 6-pin	5.95	5.49
2130263	204-0004-01	1.27mm	3 total: one 8-pin, one 18-pin, one 28-pin	5.95	5.49

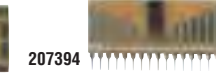


Surfboards®

Mini breadboards for surface mount devices



207360



207394



207597

Part No.	Mfr. Part No.	*Web Code: HDS	1	10
207360	9081 (For 8-pin SOIC)		\$2.49	\$1.95
207378	9082 (For 8-pin SOIC)		3.95	3.15
207386	9161 (For 14/16-pin SOIC; 0.1" pin spacing; 0.65"H)		1.95	1.55
207394	9163 (For 14/16-pin SOIC; 0.1" pin spacing; 0.65"H)		5.95	5.49

Application Specific Adapters

Part No.	Mfr. Part No.	Accepted Devices	Pins	1	10
207597	33206	SOT-23-6/SOT-23-L/SC-59-6/TSOP-6	6	\$2.95	\$2.49

JAMECO ValuePro

PLCC Prototype Adapter

- PLCC socket slotted for PLCC chip remover
- Tin-plated PLCC connector
- Gold-plated round pins
- PLCC socket identifies pin 1 and orientation key
- Silkscreen numbers identify pin numbers in groups of 5 and 10
- PCB construction



Part No.	Pins	Size (L x W)	1	5	25
73542	44	2.3" x 1.6"	\$13.95	\$12.49	\$11.95

microEngineering Labs PICBasic & Pro Compiler

- Compatible w/ most PICmicro MCU programmers including EPIC plus
- Use in DOS or Windows® (includes Windows® editor/DE software)
- I²C instructions to access external serial EEPROMs
- Direct and library routine access to any pin or register
- Automation page boundary handling past 2k
- MPLAB/MPASM/ICE compatibility
- Supports PIC12C5xx, 12C67x, 12CE67x, 14C000, 16C5x, 16C55x, 6xx, 7xx, 84, 92x, 16CE62x, 16F62x, 7x, 8x, 87x, 17Cxxx and 18Cxxx microcontrollers
- Bit, byte, word arrays
- Built-in LCD support

Part No.	Mfr. Part No.	Description	1	5
150543	PBP	PICBasic Pro compiler	\$225.95	\$195.95

UVP EPROM Eraser

- Erases 1 chip in 15 min. or 8 chips in 21 min.
- Conductive foam liner eliminates static build-up
- Maintains constant exposure distance of 1"
- Built-in safety lock to prevent UV exposure
- Complete with holding tray for 8 chips
- UV intensity: 6.8mW/cm²

Part No.	Description	Size (L" x W" x H")	Weight	1	5
15712	8-chip eraser	9.0 x 3.7 x 2.6	2.3 lbs.	\$195.95	\$175.95
34382	Replacement lamp	—	0.6 oz.	39.95	34.95

RFID Design Lab

The RFID design lab will read, detect and verify UID data within the first EEPROM, while automatically storing into the second EEPROM the date and time as a login record. By default the induction board is set to use a USB interface, but can be configured for serial interface.

- LP-2010 TRF7960 induction board
- 16 x 2 LCD monitor
- RS-232 or USB interface for RFID chip-board
- Status lamp (green/yellow/orange/red) and buzzer
- 2 individual relays with connector for open/close operation

Includes: Power cables, USB-A to USB-B cable, CD w/ demo program & manual

Part No.	Product No.	Size (W" x D" x H")	1	5
2128104	LP-2010	12.8 x 9 x 3.5	\$699.95	\$669.95

USB Handy Universal IC Writer

This IC writer can automatically detect device pin insertion in order to provide great connectivity and avoid mistakes while programming.

- Supported devices: EPROMs, EEPROMs, FLASH, Serial EEPROM, NV-RAMs, Microcontrollers, DSP, PLDs, and more
- Fast programming; it only takes 20 seconds to process 1Mbit FLASH memory
- Graphic operation software
- Auto-programming and system self-test functions
- Supports low-voltage components for programming
- Compatible with Windows® 98/ME/2000/XP
- System self-test function
- Device processing interface

Includes: Power adapter, USB cable, user's manual and drivers

Part No.	Description	1	5
2146599	Leaper-48 Universal IC Writer	\$595.95	\$565.95

PSTART PIC Device Programmer

This PIC device programmer is manufactured under license from Microchip Technology and provides a highly flexible and low-cost tool for designing microcontrollers.

- Serial RS232 port
- Built-in editor, assembler, and simulator
- Supports most DIP-packaged PIC microcontrollers available from Microchip
- Operated with Microchip's free Integrated Development Environment MPLAB
- Reads, programs, and verifies all configuration bits
- Power consumption: 10W max.
- Reads, programs, and verifies EPROM and EEPROM program and data memory

Includes: RS-232 cable, DC Power adaptor, CD-ROM user's manual

Part No.	Description	1	5
2156041	PSTART PIC programmer	\$169.95	\$159.95

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

microEngineering Labs USB PIC Programmer

More than 300 PIC microcontrollers are supported and support for future devices can be added via FLASH firmware updates. Intelligent voltage regulation allows programming of the new, low voltage PIC® MCUs as well as standard 5V devices.

- Dual color indicator shows ready/busy states
- Full featured, command-line operation
- Standard USB cable (Type A male to Type B male)
- Automatic Vdd and Vpp adjustment for different PIC MCUs
- In-Circuit Serial Programming (ICSP) connector for interface to project board
- Compatible with microchip HEX format files & all programming adapters
- Fast full speed USB data transfer
- HID interface

Part No.	Mfr. Part No.	Description	1	5
1942382	U2	USB PIC programmer	\$89.95	\$84.95

MICROCHIP PICkit™ 2 Microcontroller Starter Kit

The PICkit™ 2 microcontroller programmer is a low cost development programmer. It is capable of programming most of Microchip's Flash microcontrollers. New device support can be added by updating the operating system. The latest firmware is available on Microchip's website.

Includes: PICkit™ 2 development programmer, demo board with 8-bit CMOS MCU, two starter CD ROMs, and USB cable

Part No.	Mfr. Part No.	Description	1	5
697338	DV164120	Programmer starter kit	\$79.95	\$74.95

Flash Writer/Programmer with USB Interface

- Supports Flash EPROMs, EEPROMs & EPROMs
- Type, read, load, edit, checksum, erase, blank check, program, verify, protect functions
- Programs 8-bit Flash serial ICs via USB cable on Windows® 9x/2000/XP
- High speed: only 22 seconds to blank check, program and verify MXIC MX29F040
- File formats supported: binary & machine code, Intel HEX, Motorola HEX, Tektronix

Includes: USB cable, 12V @ 500mA adapter, CD-ROM software and manual

Part No.	Description	1	5
225947	Leaper 3D Flash programmer/writer	\$295.95	\$275.95

***Universal Programmers Online — Enter Web Code SUP**

USBtinyISP AVR Programmer Kit – v2.0

The USBtinyISP is a simple open-source USB AVR programmer and SPI interface. It's a low-cost, simple solder kit, and has both 6 and 10-pin standard ISP cables. Works with AVRdude and AVRStudio-compatible and tested under Windows® XP, Linux & MacOS X.

NOTE: Does not do JTAG or high voltage programming.

- Max clock rate: 400kHz
- Read/write speed: 2kb/s, 1kb/s
- 2 status LEDs: "USB/Power Good" and "Busy"
- I/O buffering allows programming of 2V-6V targets
- Powered off 5V USB bus @ <100mA
- 26 pieces

Includes: PCB, enclosure, MCU, and components

Requires: USB-A to USB-B cable (P/N 222608, pg 162, not included)

Part No.	Description	1	5
2136788	USBtiny AVR programmer kit	\$25.95	\$24.95

Pololu USB AVR Programmer

This programmer emulates an AVRISP v2 on a virtual serial port, making it compatible with standard AVR programming software.

- In-system programmer (ISP)
- Extremely compact
- Size: 1.35"L x 0.6"W
- Compatible with Windows XP, Windows Vista, Windows 7, and Linux

Includes: 6-pin ISP programming cable and USB-A to mini-B cable

Part No.	Description	1	5
2136420	USB AVR programmer	\$19.95	\$18.95



IC Programming Solutions



EE Tools' main goal is to develop and manufacture the most sophisticated, reliable, fast stand-alone and PC-based device programmers which will surpass those introduced by the manufacturers from the Far East.

- All products made in the USA
- Free software updates for life
- CE approved
- Guaranteed fast and competitive programming speed and reliability

***Universal Programmers and Adapters — Enter Web Code SUP**

ChipMax Low Cost Universal Programmer

- Parallel port interface
- Input voltage: 5V
- 40-pin ZIF socket
- No. of devices supported: 8,000+
- Supports: Flash EPROM, EPROM, EEPROM, Microcontroller, PALCE, GAL



Part No.	Mfr. Part No.	Price
207731	CHIPMAX	\$294.95

ChipMax2 Low Cost Fast Universal Programmer

- USB interface
- 48-pin ZIF socket
- Input voltage: 5V, 3.3V, 2.7V, 1.8V
- No. of devices supported: 15,000+
- Supports: NAND Flash Memory, Standard Flash Memory, EPROM, EEPROM, Serial PROM, GAL, FPGA, MCU



Part No.	Mfr. Part No.	Price
694866	CHIPMAX2	\$544.95

TopMaxII High Speed Universal Programmer

- USB 2.0 PC interface
- 48-pin ZIF socket
- Input voltage: 5V, 3.3V, 1.8V
- No. of devices supported: 20,000+
- Supports: NAND Flash Memory, Standard Flash Memory, EPROM, EEPROM, Serial PROM, PAL, GAL, FPGA, MCU



Part No.	Mfr. Part No.	Price
2110158	TOPMAXII	\$794.95

PC Power Supplies, Switch Box & CPU Fans

***Web Code: HCA**

60 to 800-Watt PC Power Supplies

†† 80 Plus Energy Efficient



AT Power Supplies

Part No.	Mfr.	Mfr. Part No.	Power (W)	Output (VDC/Amps)	Input (VAC @ Hz)	Input Connector (Mating Connector/Cord)	Certification	Size (L" x W" x H")	Wt. (lbs)	Pricing		
										1	5	25
2081764	Magic	MPI-925A*	200	+5/20, +12/7.5, -12/1, -5/1	85-265 @ 50-60 switching	3-prong AC receptacle (P/N 38050, pg 114)	UL/CUL/TUV/CE	6.0 x 5.6 x 3.4	3.3	\$39.95	\$35.95	\$31.95
249754	Sparkle	SPI-300G	300	+5/30, -5/0.5A, +12V/12A, -12V/0.5A	100-240 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 114)	UL/CSA/TUV FCC	5.5 x 5.9 x 3.4	3.5	64.95	58.95	52.95
2081861	Pacific Power	KPP400-29	400	+5/42, +12/14, -5/1, -12/1	100-240 @ 50-60 switching	3-prong AC receptacle (P/N 38050, pg 114)	CUL/TUV/CE	5.5 x 6.0 x 3.5	4.6	49.95	44.95	39.95

ATX Power Supplies

1955941	Magic Power Tech	MPI-806H*	60	+3.3/6, +5/8, +12/3, +5VSB/0.75, -12/0.5	90-264 @ 47-63 switching	Connector, CN1-CN3	UL/CB/TUV	5.0 x 3.1 x 1.5	1.0	\$89.95	\$84.95	\$79.95
2081887	Enhance	ENP-0185T	150	+3.3/7, +5/12, +12/5, +5VSB/0.8, -5/0.2, -12/0.3	200-240 @ 50	3-prong AC receptacle (P/N 38050, pg 114)	CUL/TUV/CE	7.5 x 3.3 x 1.7	2.5	14.95	13.49	11.95
2081879	Pacific Power	KPT230C-4A*	230	+3.3/15, +5/25, +12/9, +5VSB/1A, -5/1, -12/1	100-240 @ 50-60 switching	3-prong AC receptacle (P/N 38050, pg 114)	CUL/TUV/CE	8.0 x 4.0 x 1.6	3.0	14.95	13.49	11.95
2110422	Sparkle	SPI2501UH-B204*	250	+3.3/16 +5/18, +12v1/16, +12v2/16 -12/0.8, -5/0.3, +5VSB/2.5	90-264 @ 47-63 switching	3-prong AC receptacle (P/N 38050, pg 114)	UL/CSA/TUV/CE/CB††	7.5 x 3.9 x 1.6 (1U)	2.9	69.95	66.95	63.95
427928	Seasonic	SS-300SFD Active PFC*	300	+3.3/20, +5/20, +12/8, +12/14.5, -12/0.8, +5VSB/2	90-264 @ 47-63 switching	3-prong AC receptacle (P/N 38050, pg 114)	UL/CUL/TUV/CE	5.1 x 4.9 x 2.5	2.7	59.95	53.95	49.95
2126045	Coonix	PSC0-600*	600	+3.3/15, +5/16, +12V1/19 +12V2/19, -12/0.3, +5VSB/2.0	100-240 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 114)	UL/CSA/CE/CB	5.5 x 5.9 x 3.4	3.6	59.95	53.95	48.95
2126088	Apower	AK800*	800	+3.3/25, +5/28, +12/18, +12/28, -12/0.5, +5VSB/3	115/230 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 114)	FCC/CE	10.8 x 6.8 x 4.0	4.3	69.95	62.95	56.95

* See photo above † Comes with SATA ready connector †† 80 Plus energy efficient

ATX Power Cable

JAMECO ValuePro

For other Computer Power Cables and Adapters, see pages 161-162

Part No.	Description	Length	AWG	Pricing		
				1	5	25
1955950	20-pin ATX, 4-pin Molex type (for P/N 1955941)	11.5"	18	\$19.95	\$17.95	\$15.95
170238	20-pin ATX extension cable (female to male)	15"	18	7.95	7.55	6.95

1955950



170238



Computer Switchbox

- 2-port switchbox
- DB25 female (2 PCs to 1 printer)
- Size: 6.0"L x 5.8"W x 2.3"H
- Weight: 1.4 lbs.

***Web Code: CAK**



Computer Cables on page 161-162

Part No.	Product No.	1	5
20095	40D3-17602	\$19.95	\$17.95



CPU Cooling Fans without Heat Sinks

***Web Code: MBG**



2125886

Part No.	Description	Size (H" x W" x D")	1	10
2125878	For socket 370 PIII, 12V@.17A, 3pin conn.*	3.15 x 2.55 x 1.00	\$2.95	\$2.75
2125886	For socket 370 PIII, 12V@.17A, 3pin conn.*	3.15 x 2.55 x 1.00	2.95	2.75

* Intel P/N: A50441-002 † Intel P/N: A50933-003

***For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above**



Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

Add-On Cards, Mice, Keyboards & Accessories

NAME BRANDS	4 LEVELS OF SAVINGS			DOLLAR SALE
	HOUSE BRANDS	FACTORY OVERRUN		



Serial & Parallel Interface & Graphics Cards

* Web Code: VBB



172006



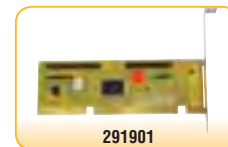
344903



2123080



364111



291901

Part No.	Manufacturer	Product No.	Bus Type	Ports	Connectors	Description	1	10
172006	ValuePro	99467-R	PCI	2	DB9	Serial Interface Card, 32-byte FIFO, 921kb/sec transfer rate, supports IRQ sharing, dual 16C650 DB9 male	\$29.95	\$26.95
344903	SYBA	SD-PCI-1S	PCI	2	DB9	Serial Interface Card, 32-bit PCI bus, dual DB-9 male, Nm9835CV chipset	27.95	24.95
2123080	ValuePro	U10-00075	PCI	1	DB25	Parallel Interface Card, 16-byte FIFO, 2.7MBps transfer rate, IEEE 1284-1994, supports ECP/EPP/SPP/BPP, Windows/Linux	19.95	17.95
364111	ATI	109-54100-00	PCI	2	HDDB15	Video Graphics Card, 8MB graphics accelerator, Rage LT PRO AGP chipset, 7-pin TV-out and DFB connectors, Windows 98 and NT 4.0 compatible	17.95	16.49
291901	ValuePro	MCT-IDEFH-2	ISA	4	Multiple	I/O Controller Card, 16-bit interface, supports 2 IDE hard drives up to 528MB and 2 floppy drives from 360kB to 1.44MB, jumper selectable for enabling and disabling ports	3.95	3.49



Mice, Keyboards & Keypads



* Web Code: LBU



685943



305082



2006650



265447



685943



685943



1537109



265375

Part No.	Manufacturer	Mfr. Part No.	Type	Interface	Description	Size (L" x W" x H")	1	10	25
685943	Dell	OW7751	Mechanical ball	USB	3-button mouse with scroll, black	4.8 x 2.5 x 1.5	\$5.95	\$5.39	\$4.95
305082	Ione	Libra-90	Trackball	PS/2	PS/2 trackball mouse with USB adapter, black	5.6 x 4.7 x 1.9	24.95	22.95	19.95
2006650	Ione	MSM9UP-BLK	Optical	USB-PS/2	3-button mouse with scroll, black	4.5 x 2.3 x 1.5	8.95	7.95	6.95
265447	Memorex	32022378	Optical	PS/2	Wireless, 5 button optical scrollpro w/ PS/2 to USB adapter	4.9 x 3.0 x 1.6	12.95	11.49	9.95
681230	NMB Tech.	RT915CTW	Keyboard	PS/2	104-key w/12 function keys & built-in SRS 3D speakers, beige	18.5 x 10.0 x 3.2	9.95	8.95	7.95
454483	Powmax	HB5103	Keyboard	PS/2	104-key w/18 hotkeys, 3-button optical scroll mouse & speaker set	17.1 x 6.1 x 1.0	11.95	10.95	9.95
1537109	Arctic	Panova 25551	Keypad	USB	18-key numerical pad, plug and play, black	4.3 x 3.0 x 0.5	9.95	8.95	7.95
265375	Ione	Scorpius-22	Keypad	RS232(DB9)	22-key numerical pad, tilt-adjustable, IBM/PC compatible, black	4.3 x 3.0 x 0.5	39.95	35.95	31.95

Replacement Switches for AT-Style Computer Cases

PC Pushbutton Switch

- Contacts rated at 250VAC
- Current: 8A
- Alternate action double pole switch
- UL/CSA/VDE approved
- Size: 0.9"L x 0.7"W x 0.9"D



Part No.	Product No.	1	10	100
174238	PSD-1-2S8	\$2.95	\$2.49	\$1.95

PC Rocker Switch

- For mini-tower cases
- Current: 10A
- Contacts rated at 250VAC
- DPST
- UL/CSA approved
- Size: 0.9"L x 1.2"W x 1.4"D

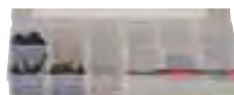


Part No.	Product No.	1	10	100
127028	GRK-618A	\$2.95	\$2.49	\$1.95



10-Component 411-Piece Screw Kit

The perfect kit containing an assortment of the most common PC screws, washers, and caps used for building, repairing, and maintaining computer systems.



- 20 rubber washers
- 20 rubber rivet washers
- 50 #6.5 x 4 to M3 metal jackscrews
- 50 3 x 6 CD-ROM screws
- 50 case fan mounting screws F5 x 12 TP3
- 50 #6-32x 6" Philips screws
- 20 #6 x 8 tool-less screws
- 100 2.54mm jumper caps
- 1 precision Philips screwdriver

Part No.	Description	1	5
2120891	411-piece screw kit	\$19.95	\$18.95

* Computer Brackets Available Online — Enter Web Code PCS

Apple USB Chargers, Cable and Earphones



New ultra-compact design, these power adapters offer fast, efficient charging at home, the office, or on the go. Compatible with all iPhones and iPods.

- Input: 100-240VAC @ 50/60Hz
- Output voltage: 5VDC @ 1A
- Charger size: 1.0"L x 1.0"W x 1.1"D

Part No.	Mfr. Part No.	Description	1	5
2151030	A1265-KIT	USB charger and data cable kit	\$19.95	\$17.95
2151048	A1265	USB charger	14.95	13.49
2151056	MA591GB	Data cable (3 ft. long)	9.95	8.95
2154935	MB770GB	Earphones w/ remote & mic	21.95	19.95

4-PORT SUPERSPEED USB 3.0 HUB

- 4 Ports at 5 Gbps, 10x faster than USB 2.0
- Status LEDs for power and connectivity
- Backward compatible with USB 2.0 devices
- Includes: Hub, 5V/3.5A adapter, USB A/B cable



P/N 2119646 \$39.95

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

JAMECO ValuePro

Computer Cables and Adapters



Extension Cables

• All lines connected straight through

Part No.	Description	Length (ft.)	Color	1	10	100
2075971	DB9 male-to-female w/ thumbscrews and filter, w/ green connectors	6	Black	\$3.95	\$3.49	\$2.95
199639	DB9 male-to-female w/ thumbscrews	6	Black	5.25	4.75	4.25
25701	DB9 male-to-female w/ thumbscrews	6	Beige	5.95	5.35	4.79
148516	DB9 male-to-female w/ thumbscrews	10	Beige	6.95	6.25	5.49
181666	DB9 male-to-male	10	Beige	6.95	6.25	5.49
181286	DB15 male-to-male	6	Gray	6.55	5.95	5.25
181359	DB15 male-to-female	6	Gray	5.49	4.95	4.45
134042	HDDB15 male w/ thumbscrews to female w/ nuts	6	Beige	4.95	4.49	3.95
66165	HDDB15 male-to-female w/ thumbscrews	6	Beige	7.95	6.95	6.25
148532	HDDB15 male-to-female w/ thumbscrews	10	Beige	8.95	7.95	6.95
2155188	HDDB15 male-to-male w/ thumbscrews	6	Black	6.49	5.95	5.49
66174	HDDB15 male-to-male	6	Beige	6.49	5.95	5.49
148523	HDDB15 male-to-male	10	Beige	6.95	6.49	5.95
224267	DB25 female-to-female w/ thumbscrews	6	Gray	7.95	6.95	6.49
164291	DB25 male-to-female w/ thumbscrews	3	Gray	3.95	3.55	3.05
175291	DB25 male-to-female w/ thumbscrews	3	Black	3.95	3.49	2.95
67257	DB25 male-to-female w/ thumbscrews	6	Gray	7.49	6.49	5.49
39511	DB25 male-to-female w/ thumbscrews	10	Gray	7.95	6.95	5.95
177279	DB25 male-to-female w/ thumbscrews	15	Gray	8.95	7.95	6.95
101996	DB25 male-to-female w/ thumbscrews	25	Gray	11.95	10.75	9.65
174001	DB25 male-to-male w/ thumbscrews	3	Black	4.95	4.45	3.95
65788	DB25 male-to-male w/ thumbscrews	6	Gray	6.95	6.49	5.95
179979	DB25 male-to-male w/ thumbscrews	15	Gray	5.95	5.25	4.75
67071	DB25 male-to-male w/ thumbscrews	25	Gray	7.95	7.49	6.95
181295	DC37 male-to-female	6	Gray	5.95	5.35	4.75

Serial Cables

132346	DB9 female-to-female w/ thumbscrews	6	Beige	\$4.95	\$4.45	\$3.95
196366	DB9 female-to-female w/ thumbscrews	10	Beige	6.95	6.25	5.49

Serial Null Modem Cables

181404	DB9 female to female (1 & 6-4; 2-3; 3-2; 4-6 & 1; 5-5; 7-8; 8-7)	6	Gray	\$5.55	\$4.95	\$4.49
180698	DB9 female to female (1 & 6-4; 2-3; 3-2; 4-6 & 1; 5-5; 7-8; 8-7)	10	Gray	6.75	5.95	5.45
181438	DB25 male to DB9 female (2-2; 3-3; 5 & 6-4; 7-5; 8-7; 20-6 & 8)	6	Gray	4.95	4.49	3.95
180742	DB25 female to DB9 female (1-4 & 5; 2-2; 3-3; 4-6; 5-7; 6-20; 7-8; 8-8)	10	Gray	4.95	4.49	3.95
180582	DB25 male to DB9 female (2-2; 3-3; 4-5 & 6; 5-7; 6 & 8-20; 7-8)	10	Gray	5.95	5.35	4.75

USB-A to DB9 Male Serial Cable/Adapters

387954	DB9 male with jackscrews	2	Gray	\$16.95	\$15.95	\$13.95
2115346	DB9 male with thumbscrews	6	Gray	18.95	16.95	14.55

Monitor/Mouse/Keyboard/Switch Box Cable (KVM)

141284	HDDB15 male/female 5-pin DIN male/female DB9 male/female	6	Black	\$8.95	\$8.49	
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* Web Code: CCS



AT Adapter Serial Cables

Part No.	Description	Length (ft.)	Color	1	10	100
109584	DB9 female to DB25 male	1	Beige	\$2.95	\$2.65	\$2.25
189333	DB9 female to DB25 male	3	Beige	3.25	2.95	2.49
31722	DB9 female to DB25 male	6	Beige	4.95	4.49	3.95
155522	DB9 female to DB25 male	10	Beige	5.95	5.35	4.79

USB-A/DB25 Male to Centronics Parallel Printer Cables

2125131	USB to bidirectional DB-25 female	6.5	Black	\$14.95	\$13.95	\$12.95
155352	36-pin male centronics to USB-A (USB1.0)	6	Gray	7.95	6.95	5.95
130067	DB25 male to 36-pin centronics male	6	Gray	2.25	2.09	1.95
28716	DB25 male to 36-pin centronics male	6	Gray	3.49	2.95	2.49

Printer and Keyboard Cables for Mac®

1944994	8-pin DIN male (with EMI)	3.3	Black	\$1.95	\$1.75	\$1.49
10604	8-pin DIN male	6	Gray	3.95	3.49	3.05
130025	8-pin DIN male	10	Gray	4.95	4.49	3.95

PS2 and AT Cables

177261	6-pin mini DIN male to male	2	Gray	\$1.95	\$1.75	\$1.49
174772	6-pin mini DIN male to male	6	Black	2.95	2.49	1.95
174908	6-pin mini DIN male to male	6	Beige	3.49	2.95	2.49
112628	6-pin mini DIN male to male	10	Beige	5.95	5.49	4.95
205655	6-pin mini DIN male to male	25	Beige	6.49	5.95	5.25
28549	6-pin mini DIN male to female	6	Beige	4.75	4.25	3.95
111053	6-pin mini DIN male to female	10	Beige	4.95	4.49	3.95

IEEE Firewire

175839	4-pin to 6-pin	6	Black	\$2.95	\$2.75	\$2.49
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IEEE 488

73155	24-pin GPIB	3.3	Gray	\$39.95	\$35.95	\$31.95
115782	24-pin GPIB	6.6	Gray	41.95	36.95	32.95
115802	24-pin GPIB	13.1	Gray	42.95	37.95	33.95

External Serial ATA

2115645	7-pin to 7-pin	3	Black	\$4.95	\$4.49	\$3.95
2115653	7-pin to 7-pin	6	Black	5.95	5.49	4.95

SATA Data Cable

2114407	7-pin straight latching/straight latching	1.6	Red	\$2.49	\$2.25	\$1.95
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Monitor Cable

66157	DB9 male-to-male w/ thumbscrews	6	Beige	\$3.95	\$3.49	\$2.95
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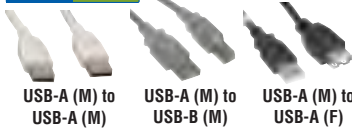
Disk Drive Cables

32686	40-pin (IDE)	1.5		\$1.95	\$1.49	\$1.25
32715	50-pin (SCSI)	1.5		3.95	3.49	2.95
2125801	34-pin floppy and 39-pin HDD (Ultra ATA)	0.9 / 1.5		2.95	2.49	1.95

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

JAMECO ValuePro

Computer Cables and Adapters (Continued)



2095218

USB Cables

Part No.	Description	Length (ft.)	Color	1	10	100
326474	USB-A male to male (2.0)	3	Beige	\$1.19	\$1.09	\$.95
2150985	USB-A male to male (2.0)	6	Blue	1.49	1.35	1.19
229682	USB-A male to male (2.0)	6	Beige	1.95	1.75	1.59
222033	USB-A male to male (2.0)	6	Black	1.95	1.75	1.59
229690	USB-A male to male (2.0)	10	Beige	2.09	1.89	1.69
229569	USB-A male to male (2.0)	10	Clear	2.09	1.89	1.69
222050	USB-A male to male (2.0)	15	Black	3.25	2.95	2.65
326482	USB-A male to female (2.0)	3	Beige	1.95	1.75	1.59
229771	USB-A male to female (2.0)	6	Beige	2.09	1.89	1.69
222068	USB-A male to female (2.0)	6	Black	2.09	1.89	1.69
229623	USB-A male to female (2.0)	6	Clear	2.09	1.89	1.69
222076	USB-A male to female (2.0)	10	Black	2.49	2.25	1.95
222084	USB-A male to female (2.0)	15	Black	3.25	2.95	2.65
229711	USB-A male to USB-B male (2.0)	3	Beige	1.95	1.75	1.59
222608	USB-A male to USB-B male (2.0)	3	Black	1.95	1.75	1.59
229585	USB-A male to USB-B male (2.0)	3	Clear	1.95	1.75	1.59
229730	USB-A male to USB-B male (2.0)	6	Beige	2.95	2.49	1.95
222010	USB-A male to USB-B male (2.0)	6	Black	2.09	1.89	1.69
229594	USB-A male to USB-B male (2.0)	6	Clear	2.09	1.89	1.69
229738	USB-A male to USB-B male (2.0)	10	Beige	2.35	2.09	1.85
222018	USB-A male to USB-B male (2.0)	10	Black	2.35	2.09	1.85
229607	USB-A male to USB-B male (2.0)	10	Clear	2.35	2.09	1.85
229762	USB-A male to USB-B male (2.0)	15	Beige	3.25	2.95	2.65
222026	USB-A male to USB-B male (2.0)	15	Black	3.25	2.95	2.65
2095218	USB-A male to USB-B male (3.0)	6	Black	5.49	4.95	4.49
2095226	USB-A male to USB-B male (3.0)	10	Black	6.95	6.49	5.95
2144841	USB-A male to 5-pin mini USB-B	4	Black	2.19	1.75	1.59
2081481	USB-A male to 5-pin mini USB	5.5	Black	2.25	1.95	1.65
673694	USB-A male to 5-pin mini USB	6	Black	2.75	2.45	2.25
2144833	USB-A male (dual) to 5-pin mini USB-B	2	Black	4.95	3.95	2.95
2135064	USB-A male to USB micro-B	3	Black	2.95	2.65	2.39

*Web Code: NAV

3.5" LCD Color Test Monitor

The unit comes with a strapped case so you may wear it leaving your hands free to work. It also features a built-in 2200mA Li-poly battery, coaxial cable quality test and Cat 5 cable quality test functions.

- Resolution: 320 x 240 RGB pixels
- Zoom test: In/Out (compatible with COP zoom cameras)
- DC 12V output for camera
- Video & Audio input
- Built-in 0.5W speaker
- Coax test: fine, open, short mode detect
- Cat 5 test: OK, open, short, reverse, error
- Dimensions: 125mm L x 115mm W x 38mm D

Part No.	Product No.	1	5
2158768	15-AU35M	\$219.95	\$199.95

4-WAY KVM SWITCHBOX

Manage up to 4 PCs with one keyboard, one mouse and one monitor.

- Keyboard, video, mouse switchbox
- PS/2 interface for keyboards and mice
- PC, Unix, Linux, Mac compatible

P/N 310834 \$19.95

2.4GHz Wireless Audio/Video Transmitter & Receiver

- 4-ch transmitter selectable/ 4-ch receiver viewable
- Video input/output: 1Vp-p composite @ 75Ω
- Audio input/output: 2Vp-p typical, 2.7Vp-p max. @ 600Ω
- RF impedance: 50Ω
- Size: 4.3"W x 3.4"D x 1.2"H

Includes: 12V wall adapter, antenna & mounting hardware

2115784: Transmitter

- Current consumption: 350mA typical; 650mA at start-up
- Output power: 1 watt
- Alarm input: TTL/CMOS (level detection)

2115709: Receiver

- Sensitivity: -82dBm typical
- Current consumption: 250mA typical

179864: 3dB gain

Part No.	Description	1	5
2115784	2.4GHz wireless trans.	\$139.95	\$129.95
2115709	2.4GHz wireless receiver	89.95	79.95
179864	2.4GHz SMA RF antenna*	4.49	3.95

*Jameco ValuePro



USB Adapters

Part No.	Description	Length (ft.)	Color	1	10	100
2119769	USB-A male to 5-pin mini USB female	1.4	Black	\$2.49	\$2.35	\$2.19
2119777	USB-A female to 5-pin mini USB female	1.4	Black	2.49	2.35	2.19
2119689	USB-A male to 5-pin mini USB male	2.0	Black	1.95	1.75	1.59
2119697	USB-A female to 5-pin mini USB male	2.0	Black	1.95	1.75	1.59

USB Gender Adapter

316806	USB A female to female	1.5	Beige	\$2.95	\$2.65	\$2.39
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Ribbon Cable Assemblies

Part No.	Description	Length (ft.)	1	10	100
12408	DB25 male to female (28AWG)	4	\$5.49	\$4.95	\$4.49
208582	DB9 male to female (28AWG)	6	4.95	4.49	3.95

CD-ROM Audio Cable

168613	Universal, 3&4-pin connector w/ 3 conductors	1.6	\$.89	\$.79	\$.69
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Disk Drive Power Splitter and Adapters

28354	4-pin molex male to 2 female, 18AWG (5.25")	0.5	\$2.75	\$2.49	\$1.95
277528	4-pin molex male to 2 female, 20AWG (5.25")	0.5	1.95	1.75	1.49
28397	4-pin molex male to 4-pin female FDD, 22AWG	0.3	2.95	2.49	1.95
72304	4-pin molex male to 2 female, 4-pin FDD, 22AWG	0.4	3.75	3.49	2.95

AT/ATX Power Supply Extension Cables

170238	20-pin male to female (18AWG)	1.2	\$7.95	\$7.55	\$6.95
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SATA Disk Drive Power Adapters

2125894	4-pin molex male to 15-pin straight female (SATA)	0.5	\$1.75	\$1.59	\$1.39
2114343	4-pin molex male to 15-pin straight female (SATA)	0.5	2.65	2.39	2.09
2114351	4-pin molex male to dual 15-pin straight female (SATA)	0.5	3.49	2.95	2.49

USB Wireless Audio Adapter

Wirelessly transmit music from your PC or Notebook to any room or directly to your headphones. Instant wireless audio system in minutes!

- Transmitter distance of 135 ft.
- No more wires or cables to connect
- Proprietary 2.4GHz wireless solution
- Easy system expansion with stereo sound support
- Supports Windows® 2000, XP, and Vista
- Plug and Play, quick and convenient use, no driver/software installation required
- 3.5mm jack

Part No.	Mfr. Part No.	1	5
2120882	WA2200	\$39.95	\$37.95



Jameco carries a wide variety of cables and connectors for all of your audio and video needs! See pages 56-57 for our complete selection.

ATEN RS-232 to RS-485/422 Bidirectional Converters

- Cable length: 4000' max.
- Data rate: 1MB/second
- Controlled by RTS signal
- 4-wire full duplex or 2-wire half duplex
- DCE and DTE selectable
- Point-to-point and multidrop operations
- RS-485: terminal block and RJ11 connections
- RS-232: DB25 female connector • Input: 110VAC
- Weight: 0.9 lbs. • One-year warranty



197931: Port powered (power adapter not included)
• Data rate: 100kbps

122956: Features RS-485SI; optical isolation: 2000V

Part No.	Mfr. Part No.	1	5
117701	RS-232-485/422	\$49.95	\$44.95
197931	RS-232-485/422	59.95	53.95
122956	RS-232-485/422 OPT ISO	89.95	80.95

ATEN RS-232 to RS-485/422 Bidirectional Converter

- Automatic internal RS-485 bus supervision
- No internal flow control for RS-485 required
- Point-to-point, multi drop, and simplex/duplex link selectable
- Supports transfer speeds of up to 115.2 Kbps
- Supports up to 32 receivers to be set in multi drop installations • Max. 2000V Isolation Protection
- Extends up to 4000 feet through networking cables



Part No.	Mfr. Part No.	1	5
2115733	IC485AI	\$89.95	\$79.95

*** Bidirectional Converters Online — Enter Web Code KEM**

USB 2.0 4-Port Hub with Clock and Mood Light

Enjoy high speed connectivity through each of the 4 USB ports. Plug in with a built-in USB and see the color changing mood lights emitted from the hub. There is also a 12-hour clock display for convenient time keeping.

- 4-port USB 2.0 (supports USB1.1)
- Color changing mood light (purple, blue, green, red)
- 12 hour clock display
- Built-in USB cable (approx. 3 ft.)
- Size: 3.5"W x 3.5"D x 2.0"H



Part No.	Description	1	5
2120399	4-port USB hub	\$7.95	\$6.95

JAMECO ValuePro USB 2.0 4-Port Hub

Add multiple high-performance USB 2.0 peripheral devices to your PC. Fully compliant with USB specifications. Fully backwards compatible with USB 1.1 devices.

- Overcurrent detection & protection
- Compatible with USB specification Rev. 2.0 (data rate 1.5/12/480Mbps)
- 1 upstream & 4 downstream ports
- Connects up to 127 USB devices • Plug-and-play
- Supports Windows® 98SE/ME/2000/Server 2003/ XP/Vista; MAC® OS 8.6 or higher
- Bus-power & self-power mode used
- Automatic connection & speed detection



Part No.	Mfr. Part No.	1	5
1944687	HU2044	\$12.95	\$11.49

USB to RS-232/422/485 Isolated Converter

With a simple USB connection, you can add an RS-232, an RS-422, and an RS-485 connection.

- High speed 115.2kB/s transmission rate
- Plug-and-play installation
- Compatible with Windows® 98/ME/2000/XP/Vista/7 and Linux



Part No.	Mfr. Part No.	1	5
2128999	I-7561	\$128.95	\$121.95

Power Over Ethernet Kit

Power your internet-ready devices while minimizing the amount of wiring. Great for powering IP telephones, security cameras, wireless LAN access points, remote ethernet switches, and much more.

- Transmit power safely over standard CAT5e cable
- Fully IEEE 802.3af compliant
- Surge voltage protection on signal pairs
- Data transfer rate: 10/100 Mbps
- 2.1mm DC plug • 12V @ 1A



Includes: PoE Injector, splitter, and AC power cord

Part No.	Mfr. Part No.	Size (L" x W" x H")	1	5
2134424	MG-POE-12	3.4 x 3.0 x 1.4	\$59.95	\$56.95

Compact Multi-Card Reader

This compact multi-card reader is designed for the mobile user for ease of travel and use. Access all types of memory cards without using adapters. Transfer files between your computer and digital devices. Plug and play compatible.

- High speed USB 2.1 (backwards compatible with USB 1.1)
- High transfer rates of up to 480Mbps
- LED power status and indicators
- Supports memory card formats including Compact Flash, Microdrive Extreme III, SmartMedia card, T-Flash, Micro SD, Secure Digital Cards, SD High Capacity, Mini SD card, Multimedia Card (MMC), Multimedia Card II, RS_MMC, Memory Stick PRO DUO, Memory Stick PRO DUO Extreme II, Memory Stick ROM, Memory Stick Select
- Size: 3.4"L x 2.1"W x 0.6"H • Weight: 0.3 lbs.



Includes: Multi card reader and USB cable

Part No.	Mfr. Part No.	1	5
2124525	U10-00062	\$18.95	\$17.95

JAMECO ValuePro USB 4-Port Squid Hub

Expands a single USB port into four so that there are more ports available to connect devices to a host system.

- Compatible with USB 1.1 & 2.0 interface
- Supports Plug-and-Play function
- Speed: 1.5 Mbps – 480 Mbps

System Requirements: Window® 98, ME, 2000, XP, 7, Vista/ Mac® OS 10.1 or higher



Part No.	Description	1	5
2119654	4-port USB squid hub	\$13.95	\$12.95

*** USB Hubs Online — Enter Web Code NEM**

USB 2.0 Active Repeater Cables

The repeater cable regenerates the USB signal for maximum reliability and performance over extended distances at maximum transfer rates of 480Mbps.



- Buffers and regenerates upstream and downstream signals

2075840: Repeater cable length: 5M (16.4 ft.)
• Cascades up to 5 to extend distance to 25m (81 ft.) between USB device and computer

2134416: Repeater cable length: 12M (39 ft.)
• Cascades up to 3 to extend distance to 36m (118 ft.) between USB device and computer
• 3rd repeater cable can support self-powered USB devices whose power consumption is below 950mW (200mA)

Requirements: Desktop or laptop with available USB port, Windows® 98SE/ME/2000/XP or Mac OS X

Part No.	Cross Ref. No.	Length	1	5
2075840	AR2500	5 meters	\$10.95	\$9.95
2134416	AR2510	12 meters	19.95	17.95

High Speed USB Extender Cable

An active device where the USB signals going in and out of the extension cable are buffered to assure signal quality and adherence to electrical and timing specs.



- Full compliance with USB spec Ver. 2.0/1.1
- Supports 480Mbit/s high speed 12Mbit/s full speed, and 1.5Mbit/s low speed serial data communication
- One upstream port and one downstream port
- Windows® 98 & higher or Mac® OS compatible
- Supports plug & play and hot-swap functions
- USB-A male to USB-A female
- Bus power mode • Length: 5m (16 ft.)

Part No.	Cross Ref. No.	1	5
1919174	10U2-24116	\$18.95	\$16.95

Data Sync & Power Charge Cable

Universal USB micro-B to USB-A data sync and power charge cable. Synchronize your smartphone to the computer while simultaneously charging it!

- Compatible with most smartphones with a USB micro-B connector • Length: 3 feet



Part No.	Description	1	10
2135064	USB-A to USB micro-B	\$2.95	\$2.65

JAMECO ValuePro USB Link Adapter

Premier file management and data sharing device with included Go! Suite software.

- Easy file transfer between two PCs
- No file size limitations
- USB 2.0, Plug-N-Play

System Requirements: Windows® 2000, XP (SP2), Vista, Windows® 7, Mac® OS X V10.4 or later



Part No.	Product No.	1	5
2124963	AN2610	\$24.95	\$23.95

*** USB Cords & Adapters — Enter Web Code: NAV**

*** For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above**

NAME BRANDS	4 LEVELS OF SAVINGS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE
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Order by Phone at 1-800-831-4242 or Online at www.Jameco.com

VOIP TELECOM INSTALLERS KIT

Includes all tools necessary for VOIP installation including a nice tool pouch with 4" Slotted and Phillips #2 screwdrivers, utility knife w/ 3 blades, 5" electrician's scissors, cable splicing knife w/ TPR grip handle, 6" long nose & slant edge pliers, cable/wire stripper, Lineman's test set, tone generator & amp probe, flashlight, punch-down tool w/ 110 blade, and 3/8" & 7/16" hex handle.

P/N 219924 \$199.95

*USB Cords & Adapters — Enter Web Code: NAV

JAMECO ValuePro USB-A Cables w/ Bracket

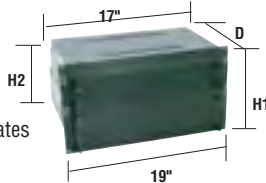
- Add additional USB ports to your PC
- Dual USB-A female ports • 8"L cable
- Supports data transfer rates of 12Mbps



Part No.	Description	1	10	25
144813	(2) 1x5-pin connectors ...	\$3.49	\$3.19	\$2.89
319652	(1) 2x5-pin connector	1.35	1.19	1.09

19" Rack Mount Enclosures

- Ventilation holes on all sides
- Front and back panels are steel w/ aluminum, pre-punched face plates
- 0.12" thick black front panel
- Top, bottom and sides are durable 0.035" steel
- All enclosures have handles except P/N 132813



Includes: Mounting screws

Part No.	Dimensions (In.)			Wt. (lbs.)	Pricing	
	H1	H2	D		1	5
132813	1.73	1.25	9.75	6.2	\$39.95	\$36.95
132822	3.46	3.00	9.75	7.9	53.95	48.95
132840	3.46	2.88	11.75	9.1	56.95	51.95
132848	5.22	4.75	11.75	10.6	62.95	56.95
132864	8.56	8.00	13.50	15.4	109.95	99.95

19" Rack Mount Cat 5e Patch Panel



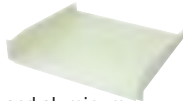
These Cat 5e patch panels feature 110D punch locks that are compatible with KRONE or 110D tools. UL and CUL listed and certified. Cat 5e certified and can be used with T568 A/B installations, color coded blocks for T568 color coding.

Part No.	Description	1	5
208785	24-port patch panel	\$27.95	\$24.95

*Punch-Down Tools Online — Enter Web Code PBC

Cabinet Mounting Plate for 19" Rack

- Use as industrial chassis mounting plate for servers, PCs or patch panels
- Size: 19.0"W x 15.8"D x 3.5"H
- Made of industrial grade steel and aluminum



Part No.	Product No.	1	5
149500	UP02	\$34.95	\$29.95

*Rack Mounts Available Online — Enter Web Code GAT

USB 2.0 to SATA/IDE Combo Adapter

Keep the existing IDE drive while at the same time migrating to the new SATA technology, which provides a transfer rate of up to 150Mbps. Any SATA or IDE drives can be turned into an external USB 2.0 storage device.



- SATA 1.0a and USB 2.0 compliant
- Dual-headed IDE connector (40- and 44-pin) plus one SATA connector that supports 2.5"/3.5"/5.25"
- Operates one IDE and one SATA HDD simultaneously
- External power supply provided

Requirements: IBM compatible Pentium® 233MHz, USB, Windows® 98SE/ME/XP, Mac® OS 8.6 or later

Part No.	Mfr. Part No.	1	5
2075815	AS1200	\$49.95	\$44.95

JAMECO ValuePro Mini Wireless Color Camera

With Built-In Microphone

- Receiving frequency: 2.4GHz
- Video output: 1Vp-p, 75Ω
- Audio output: 200mVp-p, 10kΩ
- Power consumption: <2W
- Tuning knob on receiver for fine tuning picture



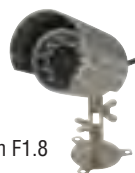
Includes: 8VDC @ 500mA & 12VDC @ 500mA adapter, receiver with antenna, mounted color camera, 9V battery clip with 1.3mm x 3.5mm female plug

Part No.	Description	1	5
2144999	Mini wireless, 2.4GHz	\$59.95	\$54.95

JAMECO ValuePro Waterproof Tube-Style IR Color Camera

NTSC Format

- Auto white balance and gain control
- 1/4" CCD image sensor
- Scanning system: 2:1 interlace
- 0 lux w/ 20 IR LEDs
- 880 ~ 940nm infrared wavelength
- 512(H) x 492(V) • 4.3mm lens with F1.8
- For indoor and outdoor use
- 420 horizontal line resolution • S/N ratio: >48dB
- 59.94Hz vertical freq. • Internal synchronization
- Video output: 1Vp-p, 75 • Size: 2.1"Dia. x 3.8"L
- Up to 1/100,000 sec. electronic shutter



Requires: 12VDC @ 160mA power supply (recommend P/N 162996, pg 103)

Includes: Mounting hardware

Part No.	Product No.	1	5
319901	15-CM25WM	\$119.95	\$109.95

CCD Color Camera with 8mm Lens

- 1/3" SONY Super HAD CCD
- Horizontal res: 420 lines
- Min. illumination: 0.05 lux
- Electronic shutter: 1/50 ~ 1/100,000 sec. • S/N ratio: 50dB
- 537(H) x 597(V) PAL
- Video output: 1Vp-p, 75Ω
- Audio output: 2Vp-p max.
- Auto-tracing white balance • Vertical freq.: 60Hz
- Backlight, auto-gain switch selectable



NEW MARKED IN PINK

Requires: 12VDC/24VAC terminal @ 130mA

Part No.	Product No.	1	5
2155583	15-CC25DNV-1+15-L080V	\$129.95	\$119.95

*Cameras — Enter Web Code MBB

Mini DVR Cameras

Sound Activated Recording



2143953

2124517/2145094

- Take JPEG snapshots or AVI video
- Store files to micro SD card
- USB connection for retrieving files & charging and audio files • Built-in lithium battery
- 90 minutes of available space for recorded video
- 30 FPS for 720 x 480 resolution • FOV: 62°
- Color CMOS camera, 1.0 lux • Compatible with Windows® ME, 2000, 2003, XP, Vista, Mac OS 10.4

2124517/2145094:

- Battery life 115 mins. • Sound activated recording

Includes: Micro SD card, USB cable and mounting accessories

2143953: Micro SD card not included

- Battery life 60 mins. • Covert keychain camera

Part No.	Product No.	1	5
2143953	CAMCOLV8CN	\$44.95	\$42.95
2124517	EC-MINIDVR (4GB)	69.95	65.95
2145094	P2009HD2-BP (16GB)	79.95	74.95

TTL Serial JPEG Camera with NTSC Video

This camera module outputs NTSC video and can take snapshots of that video and transmit them over the TTL serial link. You can also take up to 640 x 480 resolution pictures and pre-compress them for quick and easy storage. Perfect for data-logging, security, or photography projects.



- Manually adjustable focus • 30MP CMOS
- Progressive scan mode • Motion detection

Part No.	Mfr. Part No.	Size	1	5
2144340	P7030	1.25" x 1.25"	\$49.95	\$46.95

JAMECO ValuePro 8-Megapixel Webcams with Built-In Microphone

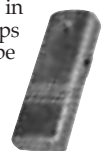
- USB interface with 4ft cable
- Adjustable mounting
- 30 fps
- Compatible with QQ, Skype, MSN, etc.
- Video capture software included



Part No.	Mfr. Part No.	Case Color	1	5
2135873	X193UA-BK	Carbon fiber	\$19.95	\$17.95
2138062	X193UA-RD	Red	19.95	17.95

Camera Detector

The easy to use P3 camera detector fits in the palm of your hands. Discreet sweeps of the home, office, or hotel room can be done quickly and efficiently. When a camera is discovered, an LED flickers and an audible alarm sounds



- Multi-channel scanning
- Auto sensitivity tuner • Audible LED alarm
- Detects frequencies from 50MHz to 3GHz
- Size: 3.25"L x 1.25"W x 0.75"T
- Power requirements: 2 CR2032 batteries (included)

Part No.	Mfr. Part No.	1	10
2096157	P7030	\$27.95	\$24.95

*Video Accessories — Enter Web Code YBE



4, 7, 8 & 12-Outlet Surge Protectors

Inline Travel Surge Protectors

- \$100,000 Ultimate Lifetime Insurance
- In-line connection for notebooks
- Modem/fax protection with splitter (1-line in/2-lines out)



Part No.	Mfr.	Part No.	Joules	Description	Size (L"xW"xH")	Wt. (lbs.)	1	5
2114626	TravelerC6	1130	3-prong, in-line	1.0 x 4.25 x 1.75	0.2	.....	\$14.95	\$12.95
2114634	TravelerC8	1130	2-prong, in-line	1.0 x 4.25 x 1.75	0.2	.....	14.95	12.95

Isobar Premium Surge Protectors

- Up to \$50,000 Ultimate Lifetime Insurance covers Isobar and connected equipment against surge damage for life!
- Diagnostic indicators on Ultra versions alert you to improper outlet wiring, loss of AC power, and damage to protection circuitry
- UL 1449 and 1283 listed
- Lifetime warranty



isobar®



- 18981:** • Size: 5.8"L x 3.5"W x 2.5"H
- 19001:** • Size: 9.0"L x 3.5"W x 2.5"H
- 139686:** • Size: 17.5"L x 4.0"W x 1.8"H • Fits 19" rack mount

Part No.	Mfr.	Part No.	Joules	Description	Wt. (lbs.)	1	5
18981	ISOBAR4	2200	4 outlet, 2 isolated filters (6")	2.4	.....	\$46.95	\$44.95
19001	ISOBAR8U	2350	8 outlet, 4 isolated filters (12")	3.5	.....	74.95	66.95
139686	IBAR12RM	750	12 outlet, 2 isolated filters (15")	4.7	.....	129.95	124.95

Super 7 Standard Surge Protector – 7 Outlet

- \$75,000 Ultimate Lifetime Insurance
- Up to 42,000 amp spikes
- Effective spike and noise suppression w/ diagnostic LEDs

Part No.	Mfr.	Part No.	Joules	Size (L" x W" x H")	Wt. (lbs.)	1	5
124337	Super7	2350	10.5 x 2.5 x 1.5	1.6	.....	\$19.95	\$17.95

12-Outlet Power Strip

- No surge suppression
- Lighted/protected switch
- 15' cord
- Size: 36"L x 1.5"W x 1.5"D

Part No.	Mfr.	Part No.	Electrical Rating	Outlet Spacing	Wt. (lbs.)	1	5
2114642	PS3612	1800W (15A)	2.638"	3.8	.....	\$44.95	\$42.95



Pan & Tilt Assembly

- For horizontal surface mount
- Aluminum multifunction bracket

- 2144518:** • 5.5kg/cm @ 6V • Ball bearing servos • 100-800mA • Rotation: 0-180°

- 2144526:** • 15kg/cm @ 7.2V • Metal gear servos • 180-220mA • Rotation: 150° horizontal/150° vertical



Part No.	Product No.	1	5
2144518	FIT0045	\$35.95	\$33.95
2144526	FIT0046	44.95	41.95

MINI PAN AND TILT KIT

Two mini servos that weight just 9 grams.

- Torque: 1.5Kg/cm @ 4.8V
- Max voltage: 6V
- Speed: 0.1sec/60°
- 2 brackets and hardware included

ONLY \$14.95



P/N 2157870

HDD Removable Enclosure

SATA Hot Swappable

- For 5.25" drive bays
- For 3.5" SATA & SATA II hard disks

Part No.	Description	Size (W" x D" x H")	1	5
2120444	SATA	5.9 x 7.8 x 1.7	\$10.95	\$9.95

SATA External Enclosure

- For SATA 3.5" and 2.5" drives
- Internal fan for cooling drive
- SATA-II compatible

Includes: 20" external SATA cable, 42W dual output table-top power supply w/ a 4-pin DIN connector, power cable & hardware

Part No.	Description	Size (L" x W" x H")	1	5
2125211	SATA	7.9 x 5.1 x 1.9	\$16.95	\$14.95

Clip-On Lapel Microphone

- For Motorola cell phones and other applications
- 2.5mm male stereo plug

Includes: Ear bud

Part No.	Cord Length	1	5	25
2078207	3'	\$1.75	\$1.59	\$1.39



5 & 6-Outlet Surge Protectors

2135611: 6-outlet; 2.5' cord

- Size: 10.5"L x 1.7"W x 1.1"H
- Clamping voltage: 700V
- Resettable circuit breaker, 15A



20175: 6-outlet; 4' cord

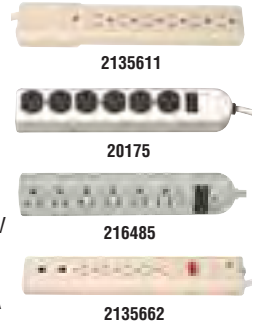
- Metal power strip
- Size: 12.3"L x 2.4"W x 1.3"H

216485: 6-outlet; 4' cord

- Heavy-duty power cord (14AWG x 3)
- Size: 9.5"L x 1.7"W x 1.4"H
- Clamping volt.: 400V • Max. surge voltage: 6500V
- RESET/OFF switch with built-in 15A circuit breaker

2135662: 5-outlet; 2 RJ11; 4' cord

- Clamping volt.: 600V • Max. surge curr.: 10,000A
- Size: 12.5"L x 2.3"W x 1.3"H



Part No.	Mfr.	Product No.	Spike Current (Max.)	Wt. (lbs.)	1	10	25
2135611	Centerex	63010	4000A, 140 joules	0.9	..... \$7.95	\$6.95	\$5.95
20175	ValuePro	51W1-13206	4500A, 50 joules	1.5	..... 10.95	9.95	8.95
216485	ValuePro	51W1-10206	4500A, 150 joules	0.9	..... 12.95	11.49	9.95
2135662	Centerex	54133	10,000A, 990 joules	1.0	..... 10.95	9.95	8.95

6-Outlet Surge Suppressor with Coax Protection

A wall mount 6-outlet surge protector with coax protection that protects your equipment from electrical surges on power lines as well as protection for coaxial inputs such as TVs, VCRs, and satellite receivers.

Surge protection specifications:

- Electrical rating: 125V/15A/1875W
- Max. surge dissipation: 200 joules
- Max. spike current: 4500A
- Clamping voltage: 400V

Coaxial line surge specifications:

- Max. energy dissipation: 46 joules
- Max. spike current: 1200A

Part No.	Product No.	1	10	25
2132200	ALG242	\$4.95	\$4.49	\$3.95

*Surge Protectors Online — Enter Web Code CAC

CAR POWER ADAPTER

- Utilizes your car's 12V cigarette lighter port
- 12 foot cable with 2.5mm female power plug
- Mates with Switchcraft L712A or equivalent 2.5mm male jack
- 20 AWG x 2



P/N 2158127 \$6.95

150-WATT OPEN-FRAME POWER SUPPLY

13.5 Volts @ 11.2 Amps

- Universal AC input (85-264 VAC @ 47-63 Hz)
- Built-in active PFC function
- Compact size: 8.74"L x 2.95"W x 1.61"H
- Short-circuit, overload & overvoltage protection
- 3-year manufacturer warranty
- Connection type: JST B5P / B6Px2-VH

Lowest Price on Web!



See pages 115-116 for Open-Frame Power Supplies

Part No.	Mfr.	Part No.	1	5	25
392771	LPP-150-13.5		\$39.95	\$35.95	\$32.49

BROAD SELECTION OF POWER CORDS

2 & 3 Conductor, Medical Grade, Pigtail, Detachable Power Cords at Industry Low Prices!

Entire selection on page 114

*Web Code: UBF

Computer

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com



Alternative Energy Kits

*Web Code: NRG

Horizon Fuel Cell Technologies has become the world's largest volume producer of commercial fuel cell products, serving customers in over 40 countries. The launch of the "H-Racer" toy-scale fuel cell car in 2006 offered a first glimpse of the company's unique technology that won several consumer product design awards, including a Time Magazine "Best Invention" award. Presently, Horizon produces extremely compact, lightweight, and complex hydrogen generation solutions suitable for electronic hobbyists, including renewable energy science experiment sets and battery-free kits.

Part No.	Mfr. Part No.	Description	1	5
2095007	FCJJ-23	H-Racer 2.0 is the world's smallest hydrogen fuel cell car equipped with remote-control steering and light emitting features with the car	\$114.95	\$107.95
2112137	FCJJ-25	H2GO Hybrid Electric Hydrogen RC Vehicle runs on energy from the sun and water and combines fuel cells for cruise power Not even the remote control needs batteries	139.95	134.95
2095015	FCJJ-27	Alternative Energy kit that combines solar, wind, and fuel cell technologies in a mini-renewable energy system	209.95	199.95
2112145	FCJJ-29	Wind Pitch is a miniature real-working wind turbine (wind power generator) designed to evaluate the pitch (setting angle) of the profiled blades. Up to 12 profile blades can be installed for evaluation	109.95	99.95
2112153	FCJJ-26	Hydro-Wind Turbine kit invents clean energy applications using fuel cells and renewable hydrogen-harness the energy of the wind	159.95	152.95
2112188	FCJJ-22	Bio-Energy kit uses ethanol as fuel source. This fuel cell kit directly converts ethanol (alcohol) to electricity silently and without any combustion	99.95	89.95
2112161	FCJJ-11	Fuel Cell Car Science, reversible PEM fuel cell combines electrolysis & power conversion in an autonomous car	74.95	64.95
2112170	FCJJ-16	Solar Hydrogen Education; invent clean energy applications using fuel cells and renewable hydrogen	69.95	64.95
2112196	FCJJ-24	Renewable Energy Monitor with software; 2-line LCD screen displays real time voltage, current, power, joules, resistance and RPM speed Compatible with all Horizon's clean energy education kits (2095007, 2095015, 2112145, 2112153, 2112161, 2112170 & 2136593)	129.95	124.95



Arduino and Robotic Accessories

Part No.	Mfr. Part No.	Description	1	5
2150660	DFR0138	USB host shield add-on board for Arduino development platform, provides USB interface, supports Google ADK (Android)	\$35.95	\$32.95
2152243	DFR0065	FTDI basic breakout board for USB to serial communication. Uses DTR pin for hardware auto-reset when a new sketch is downloaded	15.95	14.95
2152260	DFR0144	Relay shield controls up to 4 relays, max. switching power DC 90W or AC 360VA. Controllable with Arduino, Xbee or Bluetooth	19.95	18.95
2152278	DFR0076	Flame sensor used to detect fire or other wavelengths at 760nm-1100nm. Operating temp.: -25°C to +85°C, flame sensing angle: 60°	4.95	4.49
2152286	DFR0092	Graphics LCD shield providing a 48x48 pixel display. 6 digital, 5 analog I/Os, displays English or Chinese, integrates a 5 DOF joystick	26.95	24.95
2152294	DFR0162	XBoard V2 with WIZnet ethernet port, Xbee socket and ATmega328 microcontroller. Power supply: 5-12V, 8 digital I/Os, 8 analog I/Os	36.95	34.95
2152307	COMB0002	Wireless programming kit for Arduino Uno/Duemilanove, Mega 1280/2560. Includes: 2 programming modules, I/O shield, Xbee USB adapter, USB cable	94.95	89.95

Dagu

Part No.	Mfr. Part No.	Description	1	5
2150441	RS002A	Compound infrared sensor can be used as a range finder or movement tracker within 200mm, 4 pairs of IR phototransistors and 4 IR LEDs	\$8.95	\$7.95
2150491	RS003A	75:1 Metal gearmotor, all gears are made of steel, output shaft: 4mm diameter, stall torque: 8.8kg-cm, 7.5V max., motor speed: 10,000 rpm	12.95	11.95
2150504	RS003B	34:1 Metal gearmotor, all gears are made of steel, output shaft: 4mm diameter, stall torque: 8.8kg-cm, 7.5V max., motor speed: 10,000 rpm	12.95	11.95
2150512	RA001C	Metal gear servo motor, torque force: 1.8kg-cm @ 4.8V, speed: 0.13sec/60°, weight: 18 grams, dimensions: 1.1" x 0.55" x 2.4"	27.95	24.95
2150555	RS015	"Magician" dual 0.8A robot motor controller, each channel rated at 800mA, ATmega8 processor, USB interface and ISP socket, 8x3-pin servo inputs	28.95	26.95
2150601	TK001	LCD clock training kit displays messages and builds an alarm clock, comes with all components including ATmega8A pre-programmed microcontroller	74.95	64.95



Mr. Tidy Mobile Robot with Gripper

Includes four motors and a 2DOF arm and an array of sensors to follow lines, avoid objects, and much more.

- Side and rear phototransistors, color sensors, and IR sensors
- Program with free development software
- Atmega1280-16AU processor
- Supports I2C, SPI, TTL serial, and IR
- 6xAA NiMH batteries not included



Part No.	Mfr. Part No.	1	5
2150635	RS008	\$199.95	\$184.95



"Playful Puppy" Quadruped Robot Kit

Build your own robot puppy that will follow you around the house. Fully interactive, it follows commands controlled by hand gestures.

- Includes all hardware and sample software code
- Batteries not included (power supply: 7.4V, 2300mAh)
- Arduino compatible
- No soldering required
- 10 servo motors



Part No.	Mfr. Part No.	1	5
2150627	RS016	\$154.95	\$144.95

LilyPad Microcontroller and Accessories

The LilyPad is a waterproof, sewable microcontroller board that lets you build your own wearable, interactive fashionable apparel.

Part No.	Description	1	5
2144471	Atmega328 MCU, 14 I/O ...	\$23.95	\$22.95
2144489	Conductive thread, size 92	29.95	28.49
2152219	5pk red LED, washable	7.95	7.25
2152227	5pk blue LED, washable	7.95	7.25
2152235	5pk white LED, washable	7.95	7.25
2152198	Light sensor, outputs 0-5V	10.95	10.49
2152201	Button module, 0.8mm PCB	2.75	2.49



RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

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Power Function Kit

2125721



Tyrannosaurus Kit

242923



Coptermech

2128382



Bulldozer Kit

358230



Mini Robot

2150619



Running Micro Bug

200328



Crawling Micro Bug

200336



Relay Card Kit

239476



Relay Switch

2130600



Line Tracking Mouse

386708



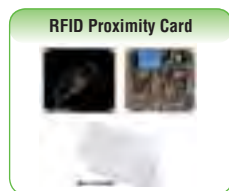
Snail Robot

358352



Titan Tank Kit

2128374



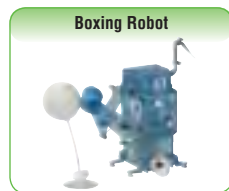
RFID Proximity Card

2123936



Terrain Tracked Robot

2128331



Boxing Robot

401533



Mr. General

2150580



The Original Egg-Bot Kit

The Eggbot is an open-source art robot that can draw on spherical or egg-shaped objects sized roughly 1.25 to 4.25" in diameter. It comes complete with a fully assembled EiBotBoard v2.0 USB interface/motor driver board. Control it through open-source extensions to Inkscape, a free vector graphics program. The GUI works on Mac, Windows and Linux. Pen holder is designed to fit various art pens like Sharpie Ultra Fine Point pens.

- Rigid adjustable chassis allows for spherical or egg-shapes
- 16X microstepping & 200 step/rev motors offer resolution of 3200 steps/revolution on each axis.



Part No.	Description	1	5
2157108	Original Egg-Bot kit, draw on shapes from 1.25" to 4.25" diameter	\$194.95	\$174.95



Mindstorms NXT 2.0

Create the smartest, strongest and most advanced LEGO robots with the Lego Mindstorms NXT 2.0. Bigger and revised element assortment of 619 pieces, 16 building and programming challenges for 4 new fun and action packed robot models.

- 3 interactive servo motors with built-in rotation sensors
- 1 ultrasonic sensor
- NXT 32-bit microcontroller with 256k memory
- Support for Bluetooth, USB 2.0
- Color sensor with triple functionality: color sensor/light sensor/color lamp
- 2 touch sensors



Part No.	Mfr. Part No.	No. of Pieces	Price
2082644	8547	619	\$279.95

*** Educational & Robotic Kits — Enter Web Code ERK**

Robotic Arm Edge & USB Interface

Create and take command of the Robotic Arm Edge, the new, incredibly flexible robotic arm you can build yourself. Find gadgets all around the base with its new search light and the enormous reach of the arm!

- Five switch wired controller
- Base rotation of 270°
- Lifts 100 grams (3.5 ozs.)
- No soldering required
- Horizontal reach of 12.6"
- Extensive elbow range of 300°
- Difficulty level: intermediate
- 187-piece kit



2095023

Requires: 4 D batteries (not included, recommend P/N 215845, pg 127)

Part No.	Mfr. P/N	Description	1	5
2095023	OWI-535	Robotic arm edge kit ..	\$52.95	\$49.95
2111960	535-USB	USB arm controller	39.95	34.95



Lego Technic Kit

Electronic Kits

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Price
2125721	8293	Power functions kit, add a motor to your legos Also includes battery box and light cable	10	BEG	9.5 x 5.7 x 2.4	\$29.95

Robotic and Computer Control Kits

*** Web Code: ERK**

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing	
2128382	21-604	Coptermech, Mechanical Motorized Wooden kit, no soldering, 2xAA batteries required	120	BEG	14 x 10.4 x 4.9	0.5	\$9.95	\$8.95
242923	21-601	Mechanical Wooden Tyrannosaurus kit	116	BEG	1.5 x 3.0 x 6.5	0.9	14.95	13.49
358230	70104	Remote Control Bulldozer kit	130	BEG	7.0 x 5.5 x 3.5	1.1	27.95	24.95
358272	70162	Design a robot w/ this RC Robot Construction set! Lift, scoop and drop all kinds of stuff.	144	BEG	—	1.0	44.95	39.95
2150619	RS014-USB	2-in-1 Mini Robots include IR compound eye, 4 mini servos and universal remote. Tools included	22	BEG	—	1.0	59.95	54.95
200328	MK127	Light-Following Running Micro Bug kit	26	INT	4.0 x 2.4	0.2	9.95	9.49
200336	MK129	Light-Seeking Crawling Micro Bug kit	29	INT	4.0 x 2.4	0.2	12.95	12.25
239476	K2633	Relay Card kit (req. pwr supply P/N 133891 pg 104)	29	INT	3.0 x 2.7	0.4	18.95	16.95
386708	21-880	Line Tracking Robot Mouse (solder required)	130	INT	3 x 3 x 3	0.9	22.95	20.95
2130600	K8015	Multi-function Relay Switch with 14 different functions and pushbutton control	37	INT	3.4 x 1.5 x 1.0	0.5	23.95	21.95
358352	75020	Line Tracing Snail Robot kit	40	INT	6.9"H	2.0	29.95	28.49
401533	71110	Boxing Robot kit (single), 2-channel	84	INT	4.5 x 3.6 x 5.6	0.4	32.95	29.95
2123936	MK-179	RFID Proximity Card Reader kit, include 2 tags EM4100 compatible (more tags on pg 172)	52	INT	2.6 x 2.4 x 0.8	0.5	32.95	29.95
2128374	21-531N	Titan Tank kit, IR remote control, 4-ch selection for battle, 4xAAA & 4xAAA batteries required	121	INT	6.5 x 6.5 x 3.6	1.5	34.95	32.95
2128331	OWI-536	3-In-1 All Terrain Tracked Robot; transform to a forklift, rover or gripper; wired remote control	120+	INT	—	2.2	45.95	42.95
401541	71113	Box w/ your friends w/ this kit of Remote Controlled Boxing Robots. They're fun for everyone	170	INT	—	0.8	54.95	49.95
2150580	RS002	Mr. General mobile robot platform features compound IR eye, 2 servos for pan/tilt and 2 cont. rotation servos. MCU & batteries not included	206	INT	—	1.5	59.95	54.95

Continued on next page

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

NAME BRANDS	4 LEVELS OF SAVINGS	DOLLAR SALE
HOUSE BRANDS	FACTORY OVERRUN	

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Electronic Kits (Continued)

★ Web Code: ERK

Robotic and Computer Control Kits (Continued)

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing	
							1	5
2136403	975	3pi Robot with 2 gear motors, 5 reflectance sensors, LCD, buzzer, connected to an ATmega328 microcontroller	1	INT	3.7" Dia.	0.18	\$99.95	\$94.95
2140285	J-BOT	Build your very own customizable robot with ultrasonic sensors, 4WD platform, breadboard, MotorShield kit and much more	22	INT	9.5 x 7 x 8	2.8	159.95	149.95
2157108	240	Egg-Bot Original is an open-source robotic arm that can draw on spherical shapes like eggs, ping-pong and golf balls, christmas ornaments up to 4.25" diameter. No soldering/programming required. PC/Mac required to create designs	100	INT	—	2.8	194.95	174.95
386610	21-886	Terrain Escape Robot kit with infrared emitting diode and receiver module	86	EXP	5 x 5 x 5	0.9	22.95	19.95
358045	CYBUG	The CYBUG Scarab kit uses touch and light sensors to find or avoid light. Requires soldering	83	EXP	4.5 x 4	0.4	49.95	47.95
2123952	K8090	8-chan. USB relay card, up to 16A/relay, can use with iphone application. Assembly required	124	EXP	6.3 x 4.2 x 1.2	1.0	67.95	62.95

Audio Transmitters, Amplifier, Sound Generator and Detection Kits

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing	
							1	5
2131012	MK120	Infrared light barrier kit with 85dB audible alarm and visible LED alert	46	BEG	2.2 x 1.6/3.9 x 2.0	0.18	\$7.95	\$7.25
2130731	MK171	Voice changer kit, add effects to your voice with robotic, vibrato, high-low effects and more	36	BEG	3.0 x 1.8	0.11	12.95	11.95
2123944	MK-182	Digital Echo Chamber kit, echo effect, line-in & out, output 8Ω, 500mW	63	BEG	3.35 x 2.76 x 0.78	0.5	21.95	20.95
285624	RS-TGI	Build your own telegraph. Send an SOS!	9	BEG	3.0 x 3.0 x 3.3	1.3	54.95	52.95
2135751	AP-MP3	MP3 playback module. MP3/PCM/WAV supports up to 32GB micro SD	1	BEG	2.5 x 2.0	0.2	99.95	94.95
147571	MK103	Voice Activated kit, requires 8-15VDC Power Supply or 9V battery, sound activates 4 flashing LEDs	33	INT	2.5 x 1.6 x 1.4	0.1	4.95	4.75
662670	EBST-11	Audio Stereo Amplifier Kit, 1 watt	32	INT	2.8 x 2.3	0.2	9.95	8.95
117612	K1803	Univ. Mono Pre-Amp kit (req. 10-30VDC pwr supply)	17	INT	1.2 x 1.8	0.3	9.95	8.95
151204	AA-1	Super Snooper Big Ear Audio Amplifier kit	17	INT	1.8 x 1.0 x 0.6	0.1	10.95	9.95
127555	K4001	7-Watt Amplifier kit, requires 15VDC @ 500mA power supply, music output power: 7 watts, 4Ω	22	INT	2.2 x 1.4	0.3	14.95	13.95
211772	MK118	FM Radio kit, 88-108MHz	65	INT	4.8 x 3.3	0.3	24.95	23.49
151239	FMST-100	FM Stereo Transmitter Mini kit, 9V battery	37	INT	2.7 x 2.0	0.2	29.95	26.95
129138	K4003	30W Stereo Pwr Amp. (req. 2x 12VDC @ 2A pwr supplies)	38	INT	2.8 x 2.0	0.7	32.95	29.95
127562	K4401	Sound Generator kit with 10 unique sounds	61	INT	2.8 x 2.8	0.4	29.95	27.95
2120815	K8098	Audio Analyzer, display EMS/peak power, mean/peak dB, audio spectrum	73	EXP	5 x 2.5 LCD	0.6	69.95	64.95
2120823	K8095	MP3 Player Kit, create your own jukebox, sound effects, mp3 and more! SD card operation, Hi-quality VLSI decoder, vol. control, up to 32GB, up to 1024 folders with 16,348 songs each	100	EXP	5.11 x 3.9	0.7	78.95	69.95

Test and Measurement Kits

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing	
							1	5
662725	EBLOG-300A	Logic Probe kit, 3V-16VDC, detect high, low, pulse signal	14	BEG	4.0"L x 0.75"Dia.	0.1	\$10.95	\$9.95
2157079	570	Chronodot RTC Module accessory for Bulbdiol Clock (P/N: 2136569). Adds more accurate timing and battery backup	4	BEG	1.2" Dia.	0.2	15.95	14.95
2119662	SL004	Electronics Discovery kit, 16+ projects work with LEDs, switches, buttons, sensors	130	BEG	10 x 6.7 x 3	1.0	49.95	44.95
2109173	28014	USB oscilloscope, 2-ch digital, 3 probes, 20V max. 200kHz	1	BEG	5 x 2.25 x 5.0	0.5	139.95	134.95
129091	K7102	Metal Detector kit, sensitive within 8cm (req. 9V battery)	22	INT	2.1 x 2.1	0.4	16.95	15.95
20685	JE2206	Function Generator kit, 1-100kHz in 4 ranges	21	INT	4.1 x 1.5	0.1	27.95	24.95

Power Supply and Motor Kits

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing	
							1	5
2115750	34020	Breadboard Vreg kit, 6-18Vin, 5V @ .5A out, 2.1mm jack	12	BEG	2.2 x 0.6	0.1	\$7.95	\$7.49
181833	VM-1	DC Voltage Monitor kit with 7 LED display	46	BEG	2.7 x 1.3	0.2	9.95	8.95
2119751	C-8051	Adjustable Gear Motor kit, 4k-14k RPM	22	BEG	4.3 x 4.9	0.2	11.95	11.49



3pi Robot

2136403



Egg-Bot Original

2157108



Customizable Robot

2140285



Terrain Escape Robot

386610



CYBUG Scarab

358045



Light Barrier Kit

2131012



USB Relay Card

2123952



Telegraph Kit

285624



MP3 Playback Module

2135751



FM Radio Kit

211772



Stereo Power Amplifier

129138



Sound Generator Kit

127562



MP3 Player Kit

2120823



Electronics Discovery Kit

2119662



USB Oscilloscope

2109173



Breadboard Voltage Regulator

2115750

Continued on next page

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Electronic Kits (Continued)

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★ Web Code: **ERK**

Power Supply and Motor Kits (Continued)

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing	
							1	5
117621	K1823	1.5A @ 1.5-35VDC Power Supply kit	12	INT	2.1 x 2.1	0.3	\$11.95	\$10.95
20626	JE215	Dual Adjust Regulated Power Supply kit	48	INT	5.1 x 3.5 x 2.0	2.1	26.95	24.95
127829	GMC-1102	Motor Speed Control kit, powers up to 5A @ 100VDC	35	INT	3.6 x 2.3 x 1.2	0.3	36.95	34.95
358248	70097	Twin Motor Gearbox kit	61	EXP	3.0 x 4.0	0.3	11.95	10.95
120539	K8004	DC Pulse Width kit, proportional DC to PWM	40	EXP	3.3 x 1.9 x 1.8	0.5	21.95	20.95

Distance and Light Kits

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing	
							1	5
2131207	MK135	Electronic Decision Maker kit, rapidly flashes lights until it slowly stops at one	19	BEG	2.2 x 1.2 x 1.4	0.1	\$6.95	\$6.25
2136964	MK131	4-way Traffic Light kit. 12 LEDs with realistic operating and adjustable delay	63	BEG	2.0 X 1.4 X 4.5	0.2	7.95	6.95
147635	MK100	Flashing Christmas Tree kit	30	BEG	4.0 x 2.4 x 1.0	0.1	7.95	7.49
2136999	MK112	Electronic Brain Game kit just like Simon Says. Features visible and audible modes. 4 skill levels. 3xAAA not included.	28	BEG	2.0 x 2.6	0.2	9.95	8.95
2130933	MK147	Dual white LED stroboscope creates a powerful flash effect. Speed adjustable 1-60 flashes/sec. 9V battery not included.	21	BEG	2.2 x 1.3 x 1.6	0.1	10.95	9.95
2119671	PAPERV1	Papertronics Vol. 1, makes 3 paper lunar modules that light up with LEDs	13	BEG	11 x 9 x 0.5	0.2	12.95	11.95
2130802	MK150	Shaking Dice kit, just give it a shake and the LEDs will automatically light a value	23	BEG	3.0 x 1.8	0.2	13.95	12.49
2136534	091	Larson Scanner kit, create the scanning LED effect from Battlestar Galactica or Night Rider	22	BEG	5.0 x 1.5 x 1.0	0.1	14.95	12.49
2136542	080	Deluxe Menorah kit, (9) 10mm yellow LEDs, press button to light another candle, soldering required	28	BEG	5.0 x 1.5 x 4.25	0.1	15.95	13.25
157964	LED1007	Infrared Illuminator kit, 13.2VDC, 8' dia. @ 24'	41	BEG	2" Dia.	0.1	15.95	14.49
2123928	MK149	Love Tester kit, 10-LED "love level" indicator	44	BEG	4.1 x 3.1 x 0.98	0.2	16.49	15.49
211764	MK116	Santa Sleigh and Reindeer kit	201	BEG	5.7 x 3.2	0.1	24.95	22.49
2128286	MK172	60 LED sound star, "VU-meter" flash to audio	113	BEG	4.2 x 4.4 x 1.4	0.1	18.95	17.95
2137191	MK119	Game of Roulette. 37 LEDs, a spinning sound and "winner" tune for each color. Pushbutton operation	66	BEG	3.6 X 1.3	0.2	19.95	18.95
2128278	MK170	60 LED star, 24 flashing patterns, soldering req.	94	BEG	4.1 x 4.3 x 1.4	0.1	19.95	18.95
2157415	MINTYK	MintyTime Clock. Binary clock kit that fits in an altoids tin. Light sensitive dimming. Tin & batteries not included.	56	BEG	2.9 x 2.5 x 1.0	0.1	24.95	22.95
285595	RS-LBI	Build your own light bulb, Epson style	11	BEG	6.0 x 3.0 x 7.5	1.2	54.95	52.95
147580	MK102	Flashing LED kit, 2 red 5mm LEDs, requires 9V battery	23	INT	1.3 x 1.4 x 0.6	0.1	3.95	3.59
147555	MK101	Flashing LED Sweetheart kit, flashes 25 T1 (3mm) red LEDs, requires 9V battery	46	INT	1.3 x 2.3 x 1.3	0.1	9.95	8.95
211781	MK130	3D Flashing Christmas Tree kit	36	INT	3.1 x 3.5 x 4.0	0.1	9.95	8.95
236081	MK145	Halloween Pumpkin kit, 25-LED brightly-colored	71	INT	4.0 x 3.2 x 1.3	0.2	13.95	12.95
236072	MK117	Deluxe Christmas Tree kit	208	INT	3.2 x 5.6	0.2	26.95	24.95
200310	MK124	Scrolling Message kit, 16 characters	76	INT	3.5 x 2.6 x 1.8	0.2	18.95	17.95
177092	IR-10	Infrared Transmitter & Receiver kit (req. 9V battery)	26	INT	1.0 x 0.8	0.1	24.95	22.49
147643	K4304	10-LED Mono VU Meter kit	36	INT	2.7 x 1.4	0.3	25.95	23.95
129120	K3502	Parking Radar kit, adjustable 2"-59"	55	INT	4.9 x 1.9	0.5	42.95	39.95
2136551	800820	Meggy Jr. RGB, develop a handheld pixel-scale video game, 8x8 RGB matrix, includes one pre-programmed game, reprogrammable	80	INT	6.0 x 1.5 x 3.5	0.9	74.95	69.95
2136569	950+966	Desk/mantle LED shadow clock soldering kit	147	INT	8.8 x 2.3 x 4.5	1.1	79.95	74.95
2157087	280	Alpha Clock Five. Alphanumeric LED alarm clock with Chronodot RTC module. 2.3" tall digits. 12/24 hr modes	103	INT	9.4 x 2.8 x 3.8	2.2	144.95	134.95

Alternative Energy – No Batteries Required

★ Web Code: **NRG**

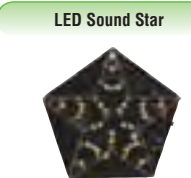
Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing	
							1	5
2150424	DG-S001	Solar Man Walking Robot	18	BEG	1.8 x 2.2 x 3.5	0.2	\$9.95	\$8.95
2112006	MSK670	Frightened Grasshopper kit, solar powered	7	BEG	1.75 x 1.0 x 0.6	0.1	10.95	9.95
2128340	OWI-750	Salt Water Fuel Cell Car, magnesium metal sheet (3 incl.), provides 5-7 hrs continuous play	20	BEG	3.0 x 1.6 x 0.7	0.5	12.95	11.95



358248



2131207



2123928



2128278



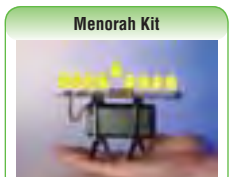
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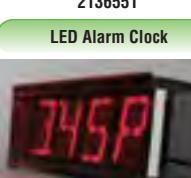
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2136551



2136542



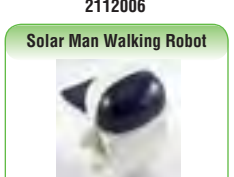
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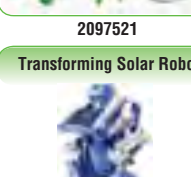
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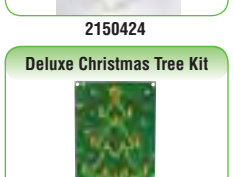
2097521



2150424



2111986



236072



2136999



2115696

Continued on next page

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Electronic Kits (Continued)

Alternative Energy – No Batteries Required (Continued)

★ Web Code: NRG

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing	
							1	5
2111986	MSK614	T3 Transforming Solar Robot, create a solar tank, scorpion or robot	71	BEG	9.8" Dia. x 3.6"H	0.5	\$18.95	\$17.49
2097521	MSK610	6-in-1 Educational Solar kit, create a solar car, airboat, windmill & more, no tools required	33	BEG	4.75 x 2.4 x 3.4	0.5	17.95	16.95
2112090	MSK679	The Solar System Solar kit, build, paint and watch the solar system come to life using solar energy	70	BEG	4.4 x 3.7 x 3.2	0.5	17.95	16.95
2144382	EDU02	Solar Energy Experiment kit, 10 projects	13+	BEG	3.15 x 2.36	0.5	27.95	24.95
2136577	PWV2P	Savonius Wind Turbine V2+. Build a fully functional mini wind turbine	42	BEG	6.0 x 6.0 x 8.0	1.8	69.95	64.95
2115696	33000	30W Solar Panel kit, comes with everything you need to make your own solar panel, 6VDC @ 4.9A	23	EXP	23.8 x 15.8 x .38	4.5	159.95	—

Miscellaneous

★ Web Code: ERK

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing	
							1	5
2128366	OWI-371	Aluminum T-Rex kit, soft, pre-punched aluminum parts, tools included	86	BEG	8.3 x 2.5 x 3.4	0.2	\$13.95	\$12.49
358299	70100	Tank and Track Wheel set, 3 track lengths	40	BEG	—	0.5	9.95	8.95
2119734	C-9701	20 second voice recorder, assembled, 1 msg.	1	BEG	1.4 x 0.9 x 0.5	0.1	14.95	13.49
2128462	EDU-61010	Leonardo da Vinci kit, Bombard, snap-together replica with educational manual	18	BEG	10.5 x 9.0 x 3.2	1.0	17.95	15.95
2124218	MKEL4	The learn to solder flashing siren kit teaches you the basics of soldering & includes 25W iron, wire cutters and solder. 9V battery not included	25	BEG	4.9 x 2.5	0.8	18.95	17.95
2144374	EDU01	Solderless education starter kit, 10 + projects	58	BEG	3.2 x 2.4	0.5	29.95	26.95
2130520	VM141	Start-stop Timer kit with a wide timing range, easy time setting, LED animation during operation and on-board start-stop buttons	40	BEG	2.8 x 1.8 x 0.8	0.2	29.95	27.95
2124200	FO-30K	This kit teaches the fundamentals of fiber optics. You can transmit your voice or a 1kHz signal through the 3 ft. fiber optic cable	56	BEG	Rx: 1.3 x 4 x 1 Tx: 1.3 x 4 x 1	0.4	21.95	20.95
2143865	ROV5-1	Rover 5 Tracked Chassis. Height adjustable by 1.5" and has max speed of 10 in/sec. 87:1 gears.	5	BEG	9.5 x 9.0 x 3.0	2.2	49.95	46.95
358336	70144	Ball Caster set, adjustable height	60	INT	1.1 x 1.1 x 1.45	0.6	5.95	5.49
2114538	72004	Worm Gearbox, Hi-eff kit, 216 & 336:1 ratios	58	INT	3.0 x 3.2 x 1.2	0.3	13.95	12.49
2114520	70108	Tracked Vehicle Chassis kit, 2 gear radios	57	INT	2.8 x 2.4 x 1.0	0.6	19.95	18.95
358213	72001	Planetary Gearbox kit, 8 different ratios	66	INT	3.5 x 1.5	0.4	16.95	15.95
127554	K6400	Code Lock kit, 9 digits, 3000 codes	67	INT	1.7 x 1.8	0.5	25.95	23.95
2144542	ROB0030	6WD Wild Mobile Platform, 5KG max load, 6x6V motors, sturdy aluminum built for outdoors	40+	INT	16.5 x 12 x 5	10	474.95	449.95
2114546	70168	Double Gearbox, 4-speed, independent left/right	116	EXP	2.8 x 2.4 x 0.9	0.3	12.95	11.95
2146572	VM110N	Control your electronics from your computer w/ this USB Interface, 7 inputs and 10 outputs	1	EXP	5.7 x 3.0 x 0.8	0.6	89.95	79.95

PARALLAX

Kits and Modules

Parallax's mission is to provide the electronics industry with products that are technically innovative, unique and economical. Parallax designs and manufactures microcontroller development tools & small single-board computers. Parallax Inc. current product line consists of BASIC Stamp microcontrollers and development software, SX chips and programmers/debuggers, Propeller chips and tools, project boards, robotics kits, educational tools and sensors. The BASIC Stamp and BASIC Stamp2 are geared more towards beginners and novices, whereas the Propeller is better suited for more advanced users with programming experience. Not sure where to begin? Try one of the starter kits to familiarize yourself with the BASIC Stamp or Propeller series microcontroller.

Kits, Protoboards and Development Boards – BASIC Stamp Series

★ Web Code: PAR

Part No.	Mfr. Part No.	Description	1	5
661116	27297	StampWorks Experiment kit, 35 projects based on the BASIC Stamp, includes Parallax Professional Development Board	\$289.95	\$264.95
2109181	27402	SumoBot Robot Competition Kit. Serial version w/ USB adapter. Includes two SumoBots and 36" ring poster.	239.95	229.95
2134871	32225	Understanding Signals w/ the PropScope, USB oscilloscope and test components. Learn to generate, view, and measure a variety of wave forms. BOE & BASIC Stamp 2 required	229.95	219.95
357270	27400	Mini SumoBot Robot kit, uses BASIC Stamp 2, learn to program autonomous control	159.95	149.95
387971	27807	BS2 Educational Starter Kit, USB version, includes Board of Education, BASIC Stamp 2 module & guide to complete over 40 activities	159.95	149.95



Wind Turbine

2136577



Tracked Chassis

2143865



Solar Energy Kit

2144382



Solar System Solar Kit

2112090



Aluminum T-Rex Kit

2128366



Voice Recorder

2119734



Fiber Optics Kit

2124200



Worm Gearbox

2114538



Tracked Vehicle Chassis

2114520



Wild Mobile Platform

2144542



Double Gearbox

2114546



USB Interface

2146572

For Additional BASIC Stamp Modules, See Page 10



661116

2109181

2134871

357270

387971

Continued on next page

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

PARALLAX

Kits and Modules (Continued)

For Additional BASIC Stamp Modules, See Page 10

Kits, Protoboards and Development Boards – BASIC Stamp Series (Cont.)

★ Web Code: PAR

Part No.	Mfr. Part No.	Description	1	5
282829	27207	BS2 Educational Starter kit, serial version, includes Board of Education, BASIC Stamp 2 module & guide to complete over 40 activities	\$159.95	\$149.95
282933	28132	Serial BOE-BOT full kit, completely reprogrammable and uses a BASIC Stamp module, expandable for different robotic projects	154.95	139.95
387997	28832	USB BOE-BOT full kit, completely reprogrammable and uses a BASIC Stamp module, expandable for different robotic projects	159.95	144.95
481975	28136	Scribbler 2 Robot, serial version, reprogrammable and can perform light-seeking, object detection, object avoidance, line-following and art, insert a Sharpie marker and it scribbles as it drives. Make it write your name!	129.95	119.95
2109165	28803	Board of Education full kit, USB version, includes carrier board, BASIC Stamp 2 module, designed for those already familiar with programming Stamp modules	99.95	89.95
2109202	90005	BASIC Stamp activity kit, learn electronics and programming, includes What's a Microcontroller guide and components for over 40 hands-on activities, includes USB to serial adapter & homework board w/ BASIC Stamp 2 MCU	49.95	44.95
130921	27120	BASIC Stamp 2 carrier board, features 24-pin DIP socket for BS2, BS2E, BS2SX, BS2P24, BS2PX24, Spin Stamp and Javelin modules; board has through-hole area and 9V battery clip; DB9 serial	15.95	14.95



Kits, Protoboards and Development Boards – Propeller Series

Part No.	Mfr. Part No.	Description	1	5
2160091	28980	Stingray Chassis kit, low profile, sturdy aluminum platform. (2) 7.2 motors with 5" Dia. wheels & multi-directional tail wheel. Multiple mounting slots and holes. Speed is approx. 6"/sec. Batteries & assembly required.	\$159.95	\$154.95
2007126	32111	Propeller Professional Development Board, 40-pin DIP socket for P8X32A-D40, variety of LEDs, buttons and typical devices and circuitry are built in for rapid project development, USB interface	159.95	154.95
2007100	32305	Propeller Education kit, 40-pin DIP version, includes plastic storage box, Propeller fundamentals book, 40-pin propeller chip, USB to serial plug, interconnecting breadboard and various components	104.95	99.95
2007097	32300	Propeller Starter kit, includes Propeller demo board, manual and USB A to mini B cable, board is pre-wired to connectors for PS/2 mouse/keyboard, VGA monitor and speakers	99.95	96.95
2007118	32812	Propeller Proto Board, Features P8X32A-Q44 propeller, 64K EEPROM, USB programming interface, large prototyping area, access to all 32 I/O pins, sockets for 4 servos, LM1086 5V and 3.3V regulators	32.95	29.95
2151494	40000	P8X32A Propeller QuickStart Board. A great way to familiarize yourself with the power multi-core Propeller chip. 64KB EEPROM, 8 blue LEDs, 8 resistive-touch buttons, 32 I/O, USB powered. Open hardware design	24.95	23.95



Sensors, Modules & Accessories

For more Sensors, see pg 83-84

Part No.	Mfr. Part No.	Description	1	5
2109747	29140	Introduction to sensors kit, includes 2-axis accelerometer, distance, color, and PIR proximity sensor	\$84.95	\$79.95
2109261	30085	Easy Bluetooth Serial module, serial communication, 1.0 & 2.0 Bluetooth compliant	74.95	69.95
2140331	28986	2-cell Li-Ion Power Pack/Charger, holds 2 rechargeable 3.7V 18650 sized Li-ion cells	59.95	56.95
2082919	27922	Gyroscope Module, ±300°/s full scale, 3.4VDC to 6.5VDC @ 5.25mA	36.95	34.95
2109667	28526	3-axis accelerometer, digital output, SPI or I2C, sensitive select ±2g/±4g/±8g	26.95	24.95
2127689	Compass	Compass module, 2-axis, HMC6352, 2.5" accuracy, 0.5" resolution	49.95	47.95
2109413	570-28015	PING Mounting Bracket kit, includes Parallax standard servo, use w/ 282861	29.95	26.95
282861	28015	Ping Ultrasonic Range/Distance Finder, 0.5" – 10 ft., 5VDC, 3-pin header	29.95	27.95
282870	28017	2-axis Accelerometer, measures ±3g on each axis, simple pulse output of g-force for each axis, 6-pin DIP module, analog output for temperature	29.95	28.49
2109245	28031	USB to Serial (RS-232) Adapter, DB9 male socket, includes USB-A to mini-B cable, USB 1.1 and 2.0 compatible	18.95	17.95
2127081	28380	ColorPAL color/light sensor, detects a full range of colors and outputs data as RGB components	20.95	19.95
2082935	32313	SD card adapter, SPI communication. Uses SMT components. Soldering required	15.95	14.95
2109456	28030	USB to serial (RS-232) adapter, DB9 male & USB mini-B port, use cable 2081481	16.95	15.95
2150256	28995	Sharp IR distance sensor GP2Y0A21YK0F, 10-80cm, 5V operation, 3-pin JST male header	14.95	13.95
2082927	555-28027	PIR Sensor kit, single bit high/low output, detection range up to 20 ft.	10.95	9.95
2082901	27920	HS1101 Humidity Sensor, 5VDC to 10VDC, 0.25"x0.40" Dia., -40°F to 212°F	6.95	6.25
2082855	27800	Modular 2-axis joystick, dual 10k pot with common ground, 1.64" x 1.2" x 1.1"	6.95	6.59
2109691	350-00014	Infrared receiver, 38kHz carrier freq. found in Boe-Bot and SumoBot kits	4.49	4.25
2109624	28109	Boe-Bot/SumoBot wheel & tire set, 1 wheel & 2 rubber band tires	4.95	4.49
2109763	605-00004	Piezo film vibration sensor, use as flexible switch, freq. response device	2.49	2.35
2129772	GP1UM287RK	56.8kHz IR detecting unit for remote control (Sharp)	.49	.45
2129844	GP1UA287RK	56.8kHz IR detecting unit for remote control (Sharp)	.95	.85



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RFID Read/Write Modules and Tags

Use these modules for a variety of hobbyist and commercial applications, including data storage, access control, user identification, robotics navigation, inventory tracking, payment systems, car immobilization, or security systems.

★ Web Code: PAR				
Part No.	Mfr. Part No.	Description	1	5
2109739	28141 <i>RF</i>	RFID passive tag, 54mm x 85mm rectangle, EM-4100 family	\$1.25	\$1.09
2110633	32397 <i>RF</i>	RFID passive tag, 25mm round, EM-4100 family	1.25	1.09
2109851	28161 <i>RF</i>	RFID passive tag, blue eye key fob, EM-4100 family	1.25	1.09
2123514	28440 <i>RF</i>	RFID read/write module, serial, use card 2123522, supports passive tags	49.95	47.95
2007169	32390 <i>RF</i>	RFID Reader kit, serial card reader, includes 4 different passive tags	49.95	46.95
2007177	32395 <i>RF</i>	RFID Reader kit, USB card reader, includes 4 different passive tags	42.95	39.95
2128104	LP-2010 <i>RF</i>	RFID design lab, serial or USB interface w/ RFID chip board, includes USB cable	699.95	669.95



Wireless Interface Devices



PARALLAX

★ Web Code: WID

Part No.	Mfr. Part No.	Description	1	5
2123611	32401	Xbee adapter board, 3.3/5V, Vreg & Logic converter included	\$16.95	\$15.95
2129326	A000021	Xbee/Zigbee Shield for Arduino, communicate wirelessly using an Arduino board up to 300 feet outdoors	21.95	19.95
2113375	32404	Xbee chip antenna, 1mW, 2.4GHz, 300' line of sight, 802.15.4 network	24.95	23.75
2113421	32400	Xbee adapter board, USB interface, PCB mount, 0.1" spacing, soldering required	27.95	25.95
2123581	32409	Xbee, zigbee series 2, 1.25mW, wire antenna, <400 ft. line of sight range	29.95	28.95
2144438	TEL0023	Bluetooth Bee in Xbee footprint, 30m max range, CSR BC417143, v2.0+EDR, 2.4-2.48GHz	34.95	31.95
2144446	TEL0026	Bluetooth module, 3.5-8V, v2+EDR, 2.4-2.48GHz, 30m max range, can be paired	34.95	31.95
2109384	27982	433MHz RF Transceiver module, 1200-9600bps transfer rate, 250 ft. line of sight range	39.95	38.95
2113391	32406	Xbee chip antenna, 60mW, 2.4GHz, <1 mile range line of sight, 802.15.4	41.95	39.95
2123590	32408	Xbee, zigbee series 2 pro, 63mW, wire antenna, <2 mile line of sight range	42.95	40.95
2119961	SE1200A-DIP	DataBridge, I/O transceiver, 6 digital I/O, 2 analog I/O, UART Tx/Rx, 2.4GHz, 1mW, 0.625 mile, internal ceramic antenna	79.95	74.95
2119970	SE1200D-DIP	DataBridge, I/O transceiver, 6 digital I/O, 2 analog I/O, UART Tx/Rx, 2.4GHz, 100mW, 2.5 mile, SMA connector	99.95	94.95



Embedded Networking Solutions



★ Web Code: WHZ

Part No.	Mfr. Part No.	Description	1	5
2124365	WIZ810MJ	Plug-in network module having W5100, usable without H/W design for W5100 transformer and RJ-45, supports MCU BUS and SPI interface	\$24.95	\$22.95
2124322	WIZ110SR	Serial to ethernet module, 10/100Mbps ethernet max 230Kbps serial	32.95	30.95
2132779	WIZF1210	Ultra low-power Serial-to-Wifi module, brings WiFi connectivity via serial host interface, IEEE 802.11b/g/n compatible, up to 11Mbps	38.95	35.95
2124373	WIZ200WEB	Embedded web server module having Atmega128 & W5300, operates as HTTP server, supports 10/100Mbps ethernet	41.95	39.95
2124349	WIZ6000	Serial to WiFi, ethernet to WiFi, 1 RS-232, RJ-45 and standard 802.11b/g wireless interface, 54Mbps effective data transmission	139.95	134.95



Arduino Microcontrollers, Kits, Shields & Accessories

Arduino is an open-source physical computing platform based on a simple microcontroller board. Create interactive objects that can read inputs from a variety of switches, sensors, and computers to control lights, motors, and other physical outputs. The shields are expansion boards that sit atop an Arduino and broaden the functions, from motor control to prototyping.

Microcontroller Boards

Photos on next page

★ Web Code: ARD

Part No.	Manufacturer	Mfr. Part No.	Description	Dimension (L" x W" x H")	Pricing	
					1	5
2151259	KitPro	BB-Arduino	Build an Arduino-compatible circuit, Atmega 328P, assembly required, breadboard/PCB not included	—	\$14.95	\$13.95
2136526	EvilMadScience	000666	Diavolino is a low-cost Arduino-compatible development board. Atmega328P w/ bootloader and minimal components for operation. Requires a USB-TTL device to program, recommend P/N: 2117341	2.7 x 2.1	14.95	13.49
2115768	Solarbotics	KARDW	Arduweeny microcontroller kit, Arduino-compatible, Atmega328, 7+ pieces, assembly/soldering req.	1.6 x 0.54	9.95	9.49
2144471	Arduino	A000011	Lilypad Arduino Main Board, ATmega328, 8MHz, 2-5V. For e-textiles. Wearable/washable	1.97" Dia.	23.95	22.95
2151486	Arduino	A000066	Uno Rev.3, Atmega328 (DIP), 14 digital I/O, 6 analog I/O, USB, ICSP, 32K flash	2.7 x 2.1	29.95	27.95
2151232	Arduino	A000049	Uno SMD Rev.2, Atmega328 (SMD), 14 digital I/O, 6 analog I/O, USB, ICSP, 32K flash	2.7 x 2.1	29.95	27.95
2143937	Secret Labs	Netduino Mini	Atmel 32bit MCU, 48MHz, ARM7, 512KB, 64K RAM, 16 GPIO, SPI, UART, uses .NET Micro framework, pin compat. w/ BASIC Stamp 2. Can use w/ breakout board (2144391 pg 173)	1.2 x 0.6	29.95	28.49
2121148	Arduino	A000005	Nano v3.0, Atmega328, 14 digital I/O (6 PWM), 8 analog in, USB mini-B, .7"x 1.7"	0.7 x 1.7	38.95	36.95
2124251	Secret Labs	NETDUINO	Netduino, Atmega 32-bit micro, 128KB flash, 14 digital I/O, 6 analog in, GPIO	2.8 x 2.1 x 0.5	34.95	33.95
2144403	DFRobot	DFR0004	Romeo, All-in-1 controller, Atmega328, Arduino compatible, 14 digital, 8 analog I/O,	3.54 x 3.15	36.95	33.95
2157466	WickedDevice	NAN-USA	Nanode is similar to an Arduino with an Ethernet shield built in. On-chip web server. 10baseT, 16MHz, 32KB flash	2.7 x 2.1	39.95	37.95
2152366	Arduino	A000067	Mega2560 (rev. 3) 54 I/O (14 PWM), 16 analog, 256K flash. Now features Atmega 16U2 for USB-Serial converter	4.3 x 2.1 x 0.6	59.95	56.95

Continued on next page

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Arduino Microcontrollers, Kits, Shields & Accessories (Continued)



Microcontroller Boards (Continued)

NEW
MARKED IN PINK

* Web Code: ARD

Part No.	Manufacturer	Mfr. Part No.	Description	Dimension (L" x W" x H")	Pricing	
					1	5
2143929	Secret Labs	Netduino Plus	Atmel 32bit MCU, 48MHz, ARM7, 64KB, 20K RAM, 20 GPIO, 100Mbps, Micro SD storage slot upto 2GB	2.8 x 2.1	\$59.95	\$57.49
2121121	KitPro	KIT-GSA	Getting Started kit w/ book, includes Arduino UNO, LEDs, switch, breadboard, no solder required	—	69.95	64.95

Shields for Arduino (Arduino sold separately)

2144534	DFRobot	DFR0060	Screw shield for Arduino. Convert header pins to more secure screw terminals	2.7 x 1 (x2)	\$7.95	\$7.25
2157458	Wicked Device	ASK1	Arduweeny ProtoShield allows shields to be used with the Arduweeny (P/N: 2115768). Mini-breadboard, SOIC pad & status LEDs included	3.1 x 2.1	15.95	14.95
2144411	DFRobot	DFR0009	LCD Shield, 16x2, HD44780 compatible, white text, blue backlight, uses LCD4Bit library	2.7 x 2.1	19.95	17.95
2127582	Liquidware	DoubleWide	Replicates all of the Arduino pins into 2 locations, so you can add 2 shields while having access to both at the same time. Shields sit side by side.	2.7 x 4.2	19.95	18.95
2121130	Adafruit	81	MotorShield kit, control up to 4 DC motors, servos. 4 H-bridges, motors not included, soldering required	2.7 x 2.1	19.95	18.95
2152403	Arduino	A000079	MotorShield, dual full-bridge driver for inductive loads like relays, solenoids, DC and stepping motors. 5V-12V, 2A per channel, 4A max	2.7 x 2.1	29.95	28.49
2152374	Arduino	A000072	Ethernet Shield (rev.3) with Micro-SD slot. PoE ready. Connects to LAN using Ethernet Library. Compatible w/ MEGA boards.	2.7 x 2.1	44.95	39.95
2143945	Excamera Labs	Gameduino	Game adapter for Arduino or anything w/ SPI. Plugs for VGA monitor and speakers. 512x512 pixel in 512 color	2.7 x 2.1	54.95	52.95
2128534	Robot Power	MEGAMOTO	High-power motor controller, 5-28V, 13A/30A peak, H-bridge or dual half-bridge	2.7 x 2.1 x 0.5	59.95	56.95
2135734	Rogue Robotics	AP-RMP	MP3 playback module without stacking headers. Module only. Supports MMC/SD/SDHC upto 32GB	2.7 x 2.1	59.95	54.95
2136657	Rogue Robotics	AP-RMP-H	MP3 playback module w/ stackable headers. Arduino compatible, supports MMC/SD/SDHC upto 32GB	2.7 x 2.1	64.95	59.95
2134900	Arduino	A000002	BT Bluetooth Module, supports wireless serial communication, 14 digital I/O pins, 6 analog inputs	3.2 x 2.1	129.95	119.95
2127558	Liquidware	Touchshield Slide	320 x 240 resolution resistive OLED touch screen, ATmega2560, can store sixty 128 x 128 images	2.7 x 2.1 x 0.5	179.95	169.95

Accessories, Chassis and Miscellaneous Kits

2137756	Arduino	A000040	Header kit for shields. (2) 1 x 6 pos & (2) 1 x 8 pos, 15mm pin length, 0.1" spacing	—	\$1.75	\$1.59
2152180	DFRobot	DFR0062	WiiChuck Adapter is Arduino-compatible. Inserts into connector of a Nintendo Wii Nunchuck controller. 4-pin header allows access to 2-axis joystick, 2 buttons, and 3-axis ±2g accelerometer	1.0 x 0.25	3.49	2.95
2144454	DFRobot	DFR0017	Relay module. Arduino Compatible. 150VAC/24VDC max switching voltage, 10A(NO) 5A(NC)	1.4 x 0.9 x 0.7	9.95	8.95
2152315	DFRobot	DFR0107	Arduino-compatible IR remote and receiver kit. Includes 3-wire cable	3.4 x 1.6	9.95	8.95
2144462	DFRobot	SEN0019	Adjustable infrared sensor switch. 3cm to 80cm. 5V@100mA. 3-wire connector	1.8"L x 0.7"Dia.	10.95	9.95
2152251	DFRobot	DFR0106	Light disk with 7 SMD RGB LEDs. 5V operation, 4-pin header, 6000mcd	1.42"Dia.	10.95	9.95
2134993	Arduino	A000032	830-contact breadboard with 70-piece jumper wire kit for easy prototyping	6.5 x 2.5	13.95	12.95
2134926	Arduino	A000009	Project Enclosure, ABS plastic, fits: Uno-Duemilanove-Diecimila-NG or MEGA, ethernet shield and battery	3.4 x 2.5 x 1.1	12.95	11.95
2117341	Solarbotics	50512	Basic breakout board, 3.3/5V, FTDI mini USB-B to serial 6-pin, works w/ Arduino & clone 5V Arduino boards can use as a USB port, FT232RL chip	1.4 x 0.65 x 0.25	19.95	18.95
2144665	PowerSwitch Tail	80135	Power cord switch, control outlet with microcontroller, 3-prong, 15A @ 125VAC, 5V control signal	4.0 x 2.1 x 1.5	29.95	26.95
2144489	ValuePro	2601510235340Z	Conductive sewing thread, size 92, 234/34 (4 ply), 502/meter. Perfect for Lilypad (P/N 2144471)	225' reel	29.95	28.49
2144391	Synapse Solutions	NMB-1	Breakout board for Netduino Mini (P/N 2143937), 26-pin header holes, 3.3VDC regulator, USB Mini-B, RS232 & TTL to USB conversion, input for 9V	2.7 x 1.4	34.95	32.95
2144500	DFRobot	DFR0018	Sensor set for Arduino. Includes big push button, LED light module, ambient light, capacitive touch, LM35 temperature, magnetic, vibration, tilt, and grayscale sensor.	—	39.95	36.95
2127566	Liquidware	HICAP Li Backpack	High capacity 2200mAh Lithium-Ion battery, rechargeable via Arduino USB and USB type-B mini cable. Supplies regulated 5V and 3.3V	2.7 x 2.1 x 0.5	46.95	44.95
2124277	DFRobot	ROB0005	Aluminum Mobile Platform, 2WD Arduino compatible, 2 x 3-6VDC motors, 27.6"/sec	6.7"Dia.	57.95	55.95
2124285	DFRobot	ROB0003	Aluminum Mobile Platform, 4WD Arduino compatible, 4 x 3-12VDC motors, 35"/sec	7.9 x 6.7 x 4.1	59.95	54.95
2144420	DFRobot	ROB0025	4WD mobile platform with encoder set. Aluminum alloy body. 4.5 - 6V operation. 26.7"/sec	9.0 x 7.3 x 4.3	79.95	74.95
2146345	DFRobot	ROB0022	4WD Mobile Platform with Romeo controller. Romeo is Arduino-compatible with built-in motor control. Includes 4 high-quality motors. Speed is ~3ft/second	7.9 x 6.7 x 4.1	84.95	79.95

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

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Handbooks, Project Guides & Reference Books

Forrest M. Mims III Engineer's Guides

One of the most widely read electronics authors in the world. Forrest M. Mims, III has written over 60 books and has been honored twice for excellence by the Computer Press Association. "Getting Started in Electronics" has sold more copies than any other book on the subject. It is a complete electronics course in just 128 pages! Mims teaches the basics and takes you on a tour of analog and digital components. He explains how they work and shows how they can be combined for various applications. It also includes assembly tips and 100 electronic circuits and projects to build and test. If you're up for a challenge, see Forrest's Puzzler on page 61.



2112743

2112778

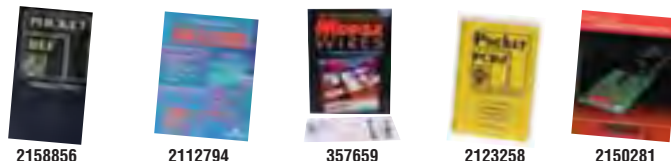
2112786

Part No.	Description	* Web Code: FOR	Pages	Price
2112743	Forrest M. Mims III Engineer's Guide to Electronics Volume I: Timer, OP Amp, Optoelectronic Circuits & Projects		124	\$13.95
2112751	Forrest M. Mims III Engineer's Guide to Electronics Volume II: Science & Communication Circuits & Projects		140	\$13.95
2112760	Forrest M. Mims III Engineer's Guide to Electronics Volume III: Electronic Sensor Circuit & Projects		144	\$13.95
2112778	Forrest M. Mims III Engineer's Guide to Electronics Volume IV: Electronic Formulas, Symbols & Circuits		192	\$13.95
2112786	Forrest M. Mims III Getting Started in Electronics, A Complete Electronics Course		128	\$19.95

See page 184 for Bundles

Handbooks, Project & Reference Books

Whether you're an engineer or hobbyist, Jameco has the book for you. Jameco offers a broad selection of reference books, project books and pocket handbooks to guide you through all of your projects A through Z! Don't see what you need below? Be sure to check out our website for our complete selection of reading material.



2158856

2112794

357659

2123258

2150281

Part No.	Description	* Web Code: BKS	Pages	Price
2158856	Pocket Reference, 4th Edition. Many subjects, tables, maps, formulas, constants & conversions		864	\$12.95
2112794	Basic Electronics: Explains electronic devices and circuits, how they work and how they are used		224	\$21.95
2146337	Getting Started with Arduino: Provides a thorough introduction to the popular open source electronic prototyping platform (2nd edition)		180	\$14.95
357659	Mondotronic, Muscle Wire Project Book Sample kit		128	\$32.95
141330	Muscle Wire Project Book, 3rd Edition (for more muscle wire & kits, see page 180)		128	\$19.95
2123258	Pocket PC Reference Book, 14th Edition. This book covers troubleshooting error codes, Windows® Vista & 7, new processors and drive support		1088	\$13.49
88225	Texas Instruments TTL Databook. Databook that covers Texas Instruments TTL logic, Schottky TT circuits, CMOS logic and VSLI		2140	\$24.95
2150281	Beginners Guide to Embedded C Programming Volume 1		202	\$39.95

DIY Workshop Kits



Circuit Skills Web Supported Kits & Projects

Circuit Skills #1 – Etch Your Own Circuit Board

Learn how to transfer a schematic to a circuit board using the photo-resist method. This kit includes a 32 oz. bottle of etch solution (P/N 616438, pg 151), positive developer solution (P/N 156734, pg 157), and two 3" x 4" pre-coated circuit boards (P/N 156751, pg 157). Not sure where to start? Head over to Jameco workshop page and watch the video to give you some ideas. www.Jameco.com/circuit



Part No.	Description	1	5
2113244	Circuit board etching kit	\$46.95	\$42.49

Circuit Skills #2 - Enclosures

You may be a whiz putting electronic kits together, but how about protection? A good kit, especially one used on a regular basis, deserves a good enclosure to protect it from the elements, and we have many for you to choose from, see pg 154. The Jameco Workshop page has a video to give you plenty of pointers on using your first enclosure case. www.Jameco.com/enclosure



Part No.	Description	Price
2117202	Waveform generator and enclosure kit	\$64.95

Circuit Skills #3 – Perfboard Prototyping

This kit includes all of the components to create a PWM effect for your guitar. Learn about the different kinds of perfboards available so you can transfer your breadboard project to a more permanent solution. This kit uses the "pad-per-hole" perfboard design for maximum flexibility. www.Jameco.com/perf



Part No.	Description	Price
2121092	PWM guitar effect kit	\$24.95

Circuit Skills #4 – SMD Experimenter

Soldering through-hole components may be fun, but most new chips are only available in SMT packages. They require less power, less real estate, but a good set of eyes, and seeing someone do it first might help too. Build a light-controlled oscillator with this kit of 1206 SMT components. www.Jameco.com/SMD



Part No.	Description	Price
2124197	SMT light controlled oscillator kit	\$29.95

Circuit Skills #5 – LED Color Organ

Want to add some color and synced visuals to your music? Create a 3 Channel Spectrum Analyzer with this cool kit. Watch the video, take some notes, build the kit, and enjoy the fruits of your labor. The list of materials can be found on the Jameco web page for kit 2126272, but be sure to study the schematic and video before you begin. www.Jameco.com/organ



Part No.	Description	Price
2126272	LED color organ kit	\$39.95

Circuit Skills #6 – LED Matrix

Learn how to use a MAX7219 serial interface LED driver to control an 8x8 LED matrix using only three pins from your Arduino. It includes the highly capable Arduino Nano v3.0 which has two additional analog inputs for a total of eight. The nano functions are the same as the Uno but in a much smaller footprint. Great project to learn on a breadboard. www.Jameco.com/LEDmatrix



Part No.	Description	Price
2127970	LED driver IC experimenter	\$46.95

Additional Circuit Skills Lessons at www.Jameco.com. Keyword: Circuit Skills

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Muscle Wire Kits, Starter Kits & Compass Modules

MONDO•TRONICS

Flexinol Muscle Wires®

These unique nickel-titanium alloy Muscle Wires® actually shorten in length when electrically powered, and can lift thousands of times their own weight.

How it works...

Pressing the switch lets power flow from the batteries through the Muscle Wire®, heating it and causing it to contract, raise the lever and lift the weight. When power is removed, the Muscle Wire® cools and relaxes, and the weight helps it return to its starting position.

Includes: Instructions



★ Web Code: **WAU**

Part No.	Mfr. P/N	Length (meter)	Wire Dia. (microns)	Linear Resistance (Ω/m)	Typical Current (mA)	Deform Weight* (grams)	Recovery Weight* (grams)	Typical Rate**	Pricing	
									1	5
357561	025HT	5	25	1770	20	2	7	—	\$29.95	\$26.95
357456	025LT	1	25	1770	20	2	7	—	12.95	11.49
357931	075LT	1	75	200	100	815	80	40	9.95	8.95
357595	100HT	1	100	150	180	28	150	43	9.95	8.95
141321	100LT	1	100	150	180	28	150	33	9.95	8.95
357472	100LT	5	100	150	180	28	150	33	29.95	26.95
141874	150LT	1	150	50	400	62	330	20	9.95	8.95
160055	375LT	1	375	8	2750	393	2000	4	12.95	11.49
357712	375HT	1	375	8	2750	393	2000	5	12.95	11.49

* Multiply by 0.0098 to get force in Newtons

** Cycles per minute, in still air, at 20° Centigrade

liquidware

Compass Module

★ Web Code: **ARD**

- 2-axis magneto-resistive sensor with analog and digital support circuits, MCU, and algorithms for heading computation
- Assembled with 4-pin male header
- Voltage supply range: 2.7-5.2V
- Heading resolution: 0.5°
- Heading accuracy: 2.5°
- I2C 2-wire serial interface
- 3 output modes: Standby, Query & Continuous



Part No.	Description	1	5
2127689	Honeywell HMC6352 chip	\$49.95	\$47.95



Vector 2X Compass Module

- Pin selectable BCD or binary output format (compatible with Motorola SPI and National Microwire)
- 2° accuracy, 1° resolution
- 3-wire serial output format
- Raw uncalibrated magnetometer output optional
- Hard iron calibration • 5Hz sampling rate
- Master or slave capability for data clock generation



Part No.	Description	1	5
126703	Compass module	\$24.95	\$22.95

MONDO•TRONICS

Shape Memory Alloy Kits, Book and Accessories

These unique metals are made from a combination of two or more elements that exhibit hardness and elasticity properties that change radically at distinct temperatures. SMAs can be formed into a shape and set to that shape by a high heat treatment. When cooled, they may be bent, stretched or deformed (within limits) and then with subsequent moderate heating, they can recover some or all of the deformation. Shape Memory Alloys have found use in everything from space missions to floral arrangement, to actuators for miniature robots, cell phone antennas, and even eyeglasses.



Muscle Wire Kits

★ Web Code: **WAU**

Part No.	Product No.	Description	1	5
357827	3-619	Solar Space Wings kit	\$23.95	21.95
357659	3-141	Project Book Sample kit (20cm of 50µm flexinol wire; 40cm of 100µm and 150µm LT wire)	32.95	29.95
357641	3-136	Muscle Wire Super Sampler kit (20cm each of 037µm, 050µm, 100µm, 150µm, 250µm)	35.95	32.49
357528	3-102	Muscle Wire R & D kit (5 meters each of 0.050µm, 100µm LT wire; 1 meter each of 250µm Flexinol LT wire)	119.95	107.95

Book

Part No.	Description	1	5
141330	3-133 Muscle Wire Project Book, 3rd Edition	\$19.95	\$17.95

Wires and Springs

Part No.	Description	1	5
357798	3-401 Nitinol SMA wire (1 meter L x 500µm Dia.)	\$16.95	\$15.49
2132411	3-657-1 Nitinol compression spring (1 pc.) 8mm OD x 36mm L x 950µm, black	10.95	10.49
357843	3-657 Nitinol compression springs (4pk.) 8mm OD x 36mm L x 950µm, black	39.95	37.95
357835	3-642 Nitinol tension springs (4pk.) 6.5mm OD x 26.5mm L x 750µm, black	39.95	37.95

Starter Kits

These kits include manuals, equipment, and sample projects to learn the fundamentals. Once you have the basics down, and your confidence up, challenge yourself with any one of the more advanced kits, or use your skills and create something completely new.

Microcontroller Starter Kits

Part No.	Mfr. Part No.	Description	1	5
697338	DV164120	PICkit 2 starter kit, easy to use interface for programming 8/14/20-pin flash type PIC MCUs	\$79.95	\$74.95
282829	27207	BASIC Stamp 2 educational starter kit, includes text and parts to guide you through 40+ activities	159.95	149.95
2007097	32300	Propeller starter kit, step-by-step introduction to programming the robust multi-core Propeller MCU	99.95	96.95

See more Electronic and Starter Kits on pages 167-171, and more Microcontrollers on pages 7, 10

Test, Tools & Measurement

Part No.	Mfr. Part No.	Description	1	5
2099171	DMM Starter	Everything you need to get started with electronics, see pg 130 for complete specifications	\$109.95	\$99.95
2113236	Test Lead Starter	Includes the most popular test leads for your testing applications, see pg 139 for complete specifications	39.95	36.95
2124200	FO-30K	Learn the fundamentals of fiber optics and transmit your voice or 1kHz signal through the 3' cable	21.95	20.95
2124218	AK-100	Learn to solder and assemble a flashing siren, teaches the basics of soldering, includes 25W iron	18.95	17.95

See more Tool Kits on pages 139 & 140



697338



282829



2007097



2099171

2113236



2124200

2124218

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Solar Panels and Controllers

Solar Photovoltaic Arrays

- Full-size monocrystalline solar panels can be used to charge your batteries or power your project
- 3 different panels to suit your applications • Max. power voltage: 17.8V • Open-circuit voltage: 21.6V
- Panel frames are made from aluminum for lightweight quality • Maximum system voltage: 1000VDC
- Tested under Standard Test Conditions (STC – irradiance 1000W/m², AM 1.5 spectrum, cell temperature: 25°C)

Part No.	Mfr. Part No.	Max Power (W)	Max Current (A)	Short-Circuit Curr. (A)	No. of Cells	Dimensions (L" x W" x H")	Wt. (lbs.)	1	5	25
2128497	PM-10S	10	1.35	1.48	6	14.9 x 12.4 x 1.3	5.29	\$54.95	\$52.95	\$49.95
2128569	PM-25S	25	1.35	1.50	9	25.3 x 11.1 x 1.4	7.50	129.95	123.49	116.95
2128585	PM-65S	65	3.65	4.04	36	32.8 x 21.2 x 1.4	18.96	279.95	267.49	254.95



2128569

Power Mate Solar Charge Controller

- Works with both 12V and 24V solar photovoltaic systems
- Protections include: overcharge, overdischarge, reverse polarity, output short circuit, and solar panel short circuit
- LED indicators for mode function and setting button for changing modes
- Max. charging voltage: 14.7V for 12V systems, 29.4V for 24V systems
- Max. discharge voltage: 10.5V for 12V systems, 21V for 24V systems



Solar Panel Adapter Cables

- MC4 connection from the solar panels and wire connection to the charge controllers
- Length: 12" ±0.5"
- 2129191: For use with charge controllers, PSC-A5 & PSC-A10
- 2129203: For use with charge controllers, PSC-A15 & PSC-A20



Part No.	Mfr. Part No.	Solar Panel Power (Max.)		Output Curr. Max. (A)	Wire Range (AWG)	Dimensions (L" x W" x H")	Pricing		
		12V System	24V System				1	10	25
2128606	PSC-A15	180W @ 18V	360W @ 36V	15	8-10	5.5 x 3.5 x 2.0	\$36.95	\$32.95	\$29.95

Part No.	Mfr. Part No.	AWG	1	10	100
2129191	PCA-A0104A	12-14 ..	\$15.95	\$14.95	\$13.95
2129203	PCA-O104B	8-10	15.95	14.95	13.95

PowerFilm.

Foldable & Rollable Solar Chargers

Ultra Compact, Ultra Lightweight, Easy-to-Use

PowerFilm develops and manufactures thin, flexible solar panels based on a proprietary low cost, high quality production process. PowerFilm encompasses the consumer part of today's solar markets and are used for recharging consumer electronics, such as laptops, cell phones, GPS, and mp3 players.

2114482: Charge batteries, cell & satellite phone, laptop, etc. Lightweight and portable (foldable)

2114503: Thin film on plastic, truly rollable, and does not suffer from wasted over-voltage (rollable)

2108621: Charges 2 AA batteries (folds up compactly to fit into pocket)

2097133: Charges 2 AA rechargeable batteries and most small USB devices (folds up compactly to fit into pocket)

Part No.	Mfr. Part No.	Description	Operating Volt. @ Curr.	Charging Volt.	Folded/Unfolded Dimensions (in.)	1	5
2108621	AA Charger	Solar, foldable charger	3.6V @ 0.6A	—	5.5 x 3.3 x 1.4 / 5.5 x 31.5	\$69.95	\$66.95
2097133	USB + AA Charger	USB + AA charger	3.6V @ 0.4A	5V	3.25 x 5.5 x 1.38 / 24 x 5.5	74.95	70.95
2114482	F15-600	Solar, foldable charger, 10W	15.4V @ 0.6A	12V	10.5 x 3.5 / 23.7 x 21	189.95	179.95
2114503	R15-600	Solar, rollable charger, 10W	15.4V @ 0.6A	12V	11.5 x 4.25 / 11.5 x 38	189.95	179.95



2097133



Fits in Your Pocket



2114503

PowerFilm. Flexible Thin Film Solar Modules

*Web Code: AEK

Wireless Electronics Series The Wireless Electronics Series offers a new opportunity to solve the old problem of limited power for wireless electronics in portable and remote applications. This module is lightweight, paper thin and durable.

228013

Part No.	Mfr. Part No.	Operating Voltage	Operating Current (mA)	Size (L x W x T)		Pricing		
				Inches	mm	1	5	25
227985	SP3-37	3.0	22	2.5 x 1.5 x .01	64 x 37 x 0.2	\$3.95	\$3.49	\$3.15
227993	TX3-25	3.0	25	4.5 x 1.0 x .01	114 x 25 x 0.2	3.95	3.49	3.15
171061	MP3-37	3.0	50	4.5 x 1.5 x .01	114 x 37 x 0.2	5.95	5.35	4.79
228013	MPT3.6-75	3.6	50	2.9 x 3.0 x .01	74 x 75 x 0.2	6.95	6.49	5.95
228030	SP4.2-37	4.2	22	3.3 x 1.5 x .01	84 x 37 x 0.2	5.95	5.35	4.79
228056	MPT4.8-150	4.8	100	3.7 x 5.9 x .01	94 x 150 x 0.2	16.95	15.95	14.95
228064	MPT6-75	6.0	50	4.5 x 3.0 x .01	114 x 75 x 0.2	12.95	10.95	9.95
228072	MPT6-150	6.0	100	4.5 x 5.9 x .01	114 x 150 x 0.2	19.95	17.95	15.95
228099	MP7.2-150	7.2	200	10 x 5.9 x .02	253 x 150 x 0.6	37.95	34.95	32.95
228101	MPT15-75	15.4	50	10 x 3.0 x .02	253 x 75 x 0.6	19.95	17.95	15.95
228110	MPT15-150	15.4	100	10 x 5.9 x .02	253 x 150 x 0.6	39.95	35.95	31.95



228161

WeatherPro Series

The right choice for permanent outdoor applications that are directly exposed to the elements. These modules feature rugged construction, a UV-stabilized surface, an extra edge seal for weather protection, and tin-coated copper leads that extend from the module.

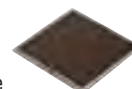
Part No.	Mfr. Part No.	Operating Voltage	Operating Current (mA)	Size (L x W x T)		Pricing		
				Inches	mm	1	5	25
228161	P7.2-75	7.2	100	10.3 x 3.9 x .04	270 x 100 x 1.1	\$34.95	\$31.49	\$28.25
228195	PT15-150	15.4	100	10.3 x 6.9 x .04	270 x 175 x 1.1	54.95	49.45	44.49
228208	PT15-300	15.4	200	10.3 x 12.8 x .04	270 x 325 x 1.1	99.95	89.95	79.95

60mm Solar Panel

*Web Code: AEK

- Clear coat plastic
- Power output: 0.25W max.
- Volt. output: 4.7VDC to 5VDC
- Size: 2.36"L x 2.36"W x 0.1"Thick
- Material: copper indium diselenide

Photovoltaic Mini Module



Part No.	Description	1	5	25
1928142	Solar panel	\$7.95	\$6.95	\$6.25

Mini-Panel Solar Cells

*Web Code: AEK

Ready to Use! No Soldering

Mini-panels are secured in plastic body with a prismatic cover to help capture all available light. 6" red/black wires attached.



200221

2113666: Solar Cell Grab Bag

- Contains fragile cells of various sizes w/ 0.5V output
- No leads attached and require soldering



2113666

Part No.	Cross Ref.	VDC @ mA	Size (L x W)	1	5
200221	SOL4	2.0 @ 200	3.0" x 3.7"	\$10.95	\$9.95
215319	4-3.0-100	3.0 @ 100	3.8" x 2.5" ..	12.95	11.95
2140373	750-00030	6.0 @ 167	4.9" x 2.5" ..	12.95	11.95
215327	4-6.0-50	6.0 @ 50	3.8" x 2.5" ..	14.95	13.49
2113666	SC-GRAB	Solar cell grab bag	(min. 40pcs/bag, sizes vary)	7.95	6.95

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

785nm AlGaAs Laser Diode

- Typical application: optical LAN (fiber channel)
- Voltage and current: 1.9V (typical) @ 45mA
- Monitor current: 0.2mA (3mW, 15V_R(PIN))
- Power: 5mW
- Parallel divergence angle: 15°
- Perpendicular divergence angle: 45°
- Peak wavelength: 785nm (typical)

Part No.	Product No.	1	5	25
2135398	RLD-78PIT	\$6.95	\$5.95	\$5.49

***Lasers Online — Enter Web Code LAZ**

Spider Couplers

- Used with motors
- 1 set screw per hub
- Hub OD: 0.625" Dia.
- Hub length: 0.56"
- Parts sold individually

162288 (Coupler)



***Web Code: EBE**

Part No.	Description	1	10	100
162288	.125" (3.18 mm) ID hub	\$1.95	\$1.75	\$1.25
161998	.197" (5.00 mm) ID hub	1.95	1.75	1.25
162270	.250" (6.35 mm) ID hub	1.95	1.75	1.25
162000	Rubber spider	1.75	1.49	1.19

alpec DIY Red Laser Pointer Kit

Easy to assemble Do-It-Yourself red laser pointer is ideal for both indoors and outdoors. Light weight and ergonomically designed.

- Range: 1500'
- Color: matte black

- Material: ABS plastic
- Output power: 5mW
- Size: 4.5"L 0.5"W • 635nm

Includes: 2 AAA batteries

Part No.	Mfr. Part No.	1	5	25
2146353	4021	\$19.95	\$18.95	\$17.95

10-Piece Gear Assortment

- Polyethylene resin
- Gears are 0.147" bore size
- Bushings are 0.07" bore diameter
- T10, T20, T30, T40, T50 and bushing

Part No.	Description	1	5	25
1810072	Gear set - 10 pieces	\$7.95	\$6.95	\$6.25

***Gears Online — Enter Web Code PEF**

Hub and 48-Pitch Gear Set

- Low coefficient of friction requires little or no lubrication
- Residual stress removed by annealing process

168284 Includes:

1 each of the following: 10 teeth with 1/8" bore size; 14 and 16 teeth with 1/8" bore, 20, 24, 30, 36, 44, 54, 66, 84 and 100 teeth with 1/4" bore size

Part No.	Description	1	5	25
157104	1/4" bore aluminum mounting hub with set screws	\$7.95	\$6.95	\$6.25
168284	Gear set - 12 pieces (see description above)	39.95	34.95	31.95

16-Pitch Sprocket Set and Chain

- Operates in high humidity and corrosive environments
- Chain links can easily be added or removed to adjust total length
- Chain tension load: 2.0 lbs.

168276: 14-piece sprocket set includes 1 each of the following: 8, 9, 10 teeth with 1/8" bore size; 12, 15, 16, 18, 20, 24, 30, 32, 36, 40 and 48 teeth with 1/4" bore size

Part No.	Description	1	5	25
157075	Drive chain (12" long)	\$10.95	\$9.95	\$8.95
168276	Sprocket set - 14 pieces (see description above)	29.95	26.95	23.95

***For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above**

Laser Diode Module

- Operates on 3VDC @ <5mW
- 650nm wavelength
- Beam diameter: 5 x 8mm
- Working dis.: over 50m (daylight), 200m (dark)
- Size: 0.9"L x 0.3"Dia
- One-year warranty

Part No.	Description	1	5
310519	Laser module, brass	\$44.95	\$39.95

650nm Laser Diode

- **182932:** Output power - 5mW max.; operating volt. & current: 2.6V max @ 30mA; wavelength - 650nm (typ); beam divergence - 11° from center
- **2120428:** Output power - 5mW min.; oper. volt. & current: 2.6V max @ 70mA; wavelength - 650nm (typ); beam divergence - 8° from center

Part No.	Product No.	1	5	25
182932	ULD-6556	\$14.95	\$13.45	\$11.95
2120428	LTLTD505T	5.95	5.49	4.95

alpec 532nm Green Laser Pointer

Includes: Metal gift box, clip and 2 AAA batteries

- Output wavelength: 532nm
- Output power: <5mW

Part No.	Mfr. Part No.	Size (L" x Dia")	1	5
223731	5608	5.6 x 0.5	\$89.95	\$84.95

alpec 670nm Red Laser Pointer Pen

- Includes:** 2 AAA batteries
- Range up to 500 yards
- 670nm output wave length
- Plastic gift box
- <5mW

Part No.	Mfr. Part No.	Size (L" x Dia")	1	5
153605	4012	5.2 x 0.4	\$21.95	\$19.75

CLIMAX Spider Shaft Coupler

- 2 set screws (10-32 x 1/8)
- Size: 0.75"L x 0.5"OD

Part No.	Description	1	5	25
138288	.250" ID sleeve coupler	\$6.95	\$6.25	\$5.59

***Thrust Bearings Online — Enter Web Code THW**

650nm Line and Dot Laser Diodes

143845/173243:

- Focus adjustable with locking set screw
- Wattage: 5mW
- Oper. volt.: 3-5V
- Size: 3.3"L x 0.9"Dia.
- One-year warranty

***Web Code: LAZ**

JAMECO ValuePro

Class IIIa Laser Product



143845: Line laser module

- Laser line width: 1mm
- Laser fan angle: 60°

173243: Cross hair laser diode module

- Laser fan angle: 60°
- Size: 3.0"L x 0.9"D
- Female 2.1mm power connector

1940660: Module regulated power supply

- Output: 5VDC @ 1A
- Short-circuit protection
- Input voltage: 90-264VAC or 190-250VAC switchable
- Size: 2.6"H x 1.3"W x 1.9"D
- Weight: 0.6 lbs.

143853: Laser module mount

- X-Y tilt, θ movement
- Built to hold laser diode on target
- Tightening screw for tilt adjustment



Part No.	Description	1	5
143845	Line laser diode module	\$129.95	\$119.95
173243	Cross hair laser diode mod	124.95	118.95
1940660	Cross hair laser diode mod	11.95	10.95
143853	Laser diode module mount	59.95	53.95

ROBOTICS SHIELD KIT

Make your Arduino the onboard brain of a mobile robot and learn robotics, electronics, and programming with this versatile kit and its accompanying step-by-step lessons. The Board of Education Shield plugs into your own Arduino (not included)

Part No.	Mfr. P/N	1	5
2153799	130-35000	\$119.95	\$113.95

4WD ROBOT CHASSIS

This chassis is a kit of parts and needs to be assembled. Four motors and wheels are included.

- Top plate space: 6.25"L x 5"W
- Suggested voltage: 4.5V
- No load current: 190mA

Part No.	Mfr. P/N	1	5
2150547	DG008	\$26.95	\$24.49

COHERENT

Safety Glasses

Disposable protective glasses are lightweight and comfortable. Designed to give maximum peripheral vision without distortion. Feature brow and solid side shields for splash protection.

- Can be worn over regular glasses
- Solid side shields
- Color: dark grey
- Size: 6.1"W x 2.5"H x 5.5"D

Part No.	Mfr. Part No.	1	12	72
2133691	3303-0331	\$3.95	\$3.49	\$2.95



Ordering Information

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- Customer Service (Custservice@Jameco.com)
- Credit Department (Credit@Jameco.com)
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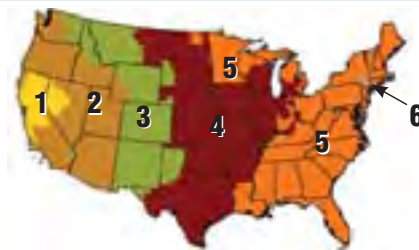
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Prices are effective September 3, 2012. In the unlikely event that you find a lower published price for products that are in stock from one of our competitors simply call us and we'll beat that price by 10% all the way down to our cost. Prices and discounts are subject to change without notice. Jameco is pleased to occasionally offer promotional discounts to our customers, but these are to be applied to published pricing for stocked products and may not be combined with other discounts nor can they be applied to special or scheduled orders. Occasionally we make a typographical error and unfortunately we cannot honor erroneous prices. Photos in the catalog are representative but many products may vary in appearance.

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Guaranteed Delivery Time for UPS Ground (Business Days)

1 day 2 3 4 5 6 days

Orders placed on business days by 6pm Eastern Time will be shipped the same day. Orders placed on weekends and holidays will ship the following business day FOB California. Orders placed online for drop ship items may require an additional two business days to ship. Orders requiring special credit approval and orders for backordered products will require additional time to ship.

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- USPS Delivery



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Holiday Lighting Kits

Get in the spirit of the holidays with these fun and festive easy-to-build lighting kits.

- LEDs and decorative board included
- Soldering required
- Each kit can be powered with a 9V battery (Not included, recommend P/N 198731, pg 127)

2128286: Responds to sound and music; **2136542:** Uses 2 x AA batteries

Part No.	Mfr.	Mfr. Part No.	Description	# of LEDs	1	5
147635	Velleman	MK100	Electronic Christmas Tree	16	\$7.95	\$7.49
211781	Velleman	MK130	3D Christmas Tree	16	9.95	8.95
236081	Velleman	MK145	Halloween Pumpkin	25	13.95	12.95
2136542	Evil Mad Science	803	Deluxe LED Menorah	9	15.95	13.25
2128286	Velleman	MK172	Sound Star	60	18.95	17.95
2128278	Velleman	MK170	Multi-Effect Star	60	19.95	18.95
211764	Velleman	MK116	Santa and Reindeer	126	24.95	22.49
236072	Velleman	MK117	Deluxe Christmas Tree	134	26.95	24.95



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See pages 166-171 for complete selection of Kits



LEGO Mindstorms NXT 2.0 and Power Functions Motor Set

Customizable programming, intelligent computer brick, and intuitive drag-and-drop programming software make this Mindstorms kit one of the best.

- NXT 32-bit microcontroller with 256k memory
- 3 interactive servo motors with built-in rotation sensors
- 1 ultrasonic sensor
- Large dot matrix display
- Color sensor with triple functionality: color sensor/light sensor/color lamp
- 6 x AA batteries required (not included), recommend Jameco P/N 2112444, pg 127
- Power functions motor set can be used to add motorized functionality to other lego kits for even more fun!

Part No.	Mfr. Part No.	Description	# of pieces	Price
2082644	8547	Mindstorms NXT 2.0	619	\$279.95
2125721	8293	Power functions motor set	10	29.95



2082644



2125721

More Kits
on pages 166-171

JAMECO ValuePro

LED Lamp Cluster

- Contains four ultra-bright red LEDs
- Continuous forward current: 30mA
- Forward voltage: 9V typical
- Brightness: 16,000 mcd
- Operating temperature: -30°C to +60°C
- Size: 1.0" diameter
- Wavelength: 629nm

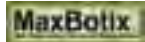


NEW
MARKED IN PINK

For LED Modules, see pages 25-26

Part No.	Mfr Part No.	1	10	100
2155276	BVM-R26QT4	\$4.95	\$4.49	\$3.95

Complete selection of Sensors on pages 83-84



MaxBotix Ultrasonic Rangefinding Distance Sensors

These ultrasonic sensors are small in size and lightweight so you can incorporate them in any of your projects. They come in a variety for short, medium, and long range detection.

- Continuous variable gain for beam control and side lobe suppression
- 2.5V to 5.5V supply with 2mA typical draw current
- MB7 series has 3/4" PVC straight threads and are IP67 water-resistant
- 200,000+ hours meantime between failure
- Sensor operates at 42kHz
- Various sensor output types

NEW
MARKED IN PINK



2157335/2157319



2157343



2157394/2157386

Part No.	Mfr. Part No.	Case Size	Detection Range	Data Output*	Applications	1	5
2157335	MB1040	.79"W x .87"H x .61"D	0 - 21.16 ft.	PW, AV, SD	Indoor, narrow beam, large object detection	\$24.95	\$21.95
2157319	MB1000	.79"W x .87"H x .61"D	0 - 21.16 ft.	PW, AV, SD	Indoor, high sensitivity, wide beam, people detection	27.95	24.95
2157343	MB1210	.79"W x .87"H x .99"D	0 - 25.1 ft.	PW, AV, SD	Indoor, long range, medium detection for small targets	39.95	34.95
2157394	MB7092	1.72" Dia x 2.58"D	0 - 25.1 ft.	RTAVE, AV, SD	Outdoor, large objects, long range, narrow detection	94.95	89.95
2157386	MB7066	1.72" Dia x 2.58"D	0 - 35 ft.	PW, AV, SD	Outdoor, short-to-long range, narrow detection	104.95	99.95

*PW = pulse-width, AV = analog voltage, SD = serial digital, RTAVE = real-time analog voltage envelope

Sub-Micro Servo Motor

- Torque: 1.5 kg-cm
- Speed: 0.12sec/60°
- Motor type: coreless
- Operating voltage range: 4.8V-6V
- Current consumption: < 500mA
- Size: 0.91" x 0.48" x 1.0" (23 x 12.3 x 25.6 mm)
- Weight: 0.027 lbs. (8 grams)



NEW
MARKED IN PINK

See pages 89-94 for more Motors

Part No.	Mfr Part No.	Description	1	5	25
2150416	RS001A	1.5kg-cm servo	\$4.95	\$4.49	\$3.95

JAMECO ValuePro

CCD Color Camera with 8mm Lens

- 1/3" SONY Super HAD CCD
- Electronic shutter: 1/50~1/100,000 sec.
- Auto tracing white balance
- Horizontal res: 420 lines
- 12VDC/24VAC terminal @ 130mA



NEW
MARKED IN PINK

See page 164
for more Cameras

Includes: Camera, 8mm lens, user manual, L-shaped wrench, and C to CS mounting ring

Part No.	Operating Temp.	Size (in)	Weight	1	5
2155583	+14°F to +113°F	1.97 x 1.97 x 4.49	12.3 oz.	\$129.95	\$119.95



SANYO DENKI

DC and AC Tubeaxial Fans

Whether you need AC or DC powered cooling fans, we carry them all and in a number of different sizes as well.

Part No.	Manufacturer	Mfr. Part No.	Voltage	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (W)	Agency Approvals	Noise (dBA)	Connection	Pricing			
												1	10	50	100
1708473	Sunon	KDE1204PFVX11.MS.A	12VDC	40 x 40 x 10	9.5	Vapo	150	1.8	UL/CUL/TUV	39	Two 12" leads	\$5.95	\$4.95	\$4.49	\$3.95
2155057	Sanyo Denki	109R1212M102	12VDC	120 x 120 x 38	78	Dual Ball	240	2.9	UL/CSA/TUV	32	Two 12" leads	8.95	7.95	6.95	5.95
2155073	Mechatronics	F8025E24B-FS	24VDC	80 x 80 x 25	46	Ball	140	3.4	UL/TUV	32	Two 12" leads	8.95	7.95	6.95	5.95
2155065	Delta	AFB0924H-R00	24VDC	92 x 92 x 25	51	Ball	100	2.4	UL/CSA	34	Three 12" leads	10.95	9.95	8.95	7.95
2155049	Toyo	TAC12038115HT	115VAC	120 x 120 x 38	105	Ball	180	17	UL/CSA/CE	47	Terminals	11.95	10.95	9.95	8.95
2151072	Sunon	SF1212ADBL.GN	115/220	120 x 120 x 38	115	Ball	240/120	19	UL/CE	49	Four 12" leads	12.95	11.95	10.95	9.95

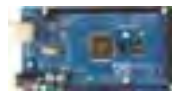
RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.



Arduino Mega 2560 and Shields (Revision 3)

Improvements can always be made to even the greatest designs. The 3rd revision of these Arduino products include the latest upgrades for the most efficient use for all customers.

NEW
MARKED IN PINK



2152366



2152374



2152403

For full line of Arduino Shields, see pages 172 & 173

*Web Code: ARD

Part No.	Mfr. Part No.	Description	1	5
2152366	A000067	Mega2560 (Rev 3) with 54 digital I/O's, 16 analog inputs, 4 UARTs, stronger RESET button, and Atmega 16U2 microcontroller	\$59.95	\$56.95
2152374	A000072	Ethernet shield (Rev 3) with microSD card slot, W5100 ethernet controller with internal 16k buffer. Connection speed: 10/100Mb	44.95	39.95
2152403	A000079	Motor shield (Rev 3) with independent control of 2 DC motors. Max. current of 2A per channel or 4A with external power supply	29.95	28.49



Pushbutton Switches

Complete selection of Switches on pages 73-77

Switches come in many shapes and sizes, but they all have the same purpose: they all need to work reliably and consistently.

*Web Code: UBU



26623



72645



315651



2155111

Part No.	Mfr. Part No.	Description	# of Pins	Contact Form	Contact Rating	Button Color	1	10	100
26623	ValuePro	GPB001-R	2	SPST off-(on)	3A @ 125VAC	Red	\$.75	\$.69	\$.59
72645	AlcoSwitch	TPC11FGRA2	3	SPDT off-(on)	1A @ 125VAC	Red	.99	.89	.79
22200	Judco	40-1666-01	2	SPST on-off	2A @ 14VDC	White	1.95	1.75	1.49
315651	ValuePro	R13-502A-05-BB	2	SPST off-(on)	3A @ 125VAC	Black	1.95	1.75	1.49
2155111	NKK Switches	KP0115ANAKG03CF-1SJB	5	SPST off-(on)	0.1A @ 12VDC	Illuminated Red-Green	6.95	5.95	4.95



Interchangeable AC-to-DC Regulated Switching Wall Adapters

For the frequent traveler, having to bring a different cell phone charger to each country can be quite troublesome. With these wall adapters, you can use the same charger and just swap the AC plugs effortlessly!

*Web Code: NBH

NEW
MARKED IN PINK

2155401

2155410

Additional Regulated Switching Wall Adapters on pages 101-103

Part No.	Manufacturer	Mfr. Part No.	Output Voltage (VDC)	Current (A)	Power (W)	Ripple (mVp-p)	Line Regulation	Efficiency	DC Output Connector	1	5	25
2144809	Phihong	PSA08R-050	5	1.00	5	50	±1%	70%	2.5mm x 5.5mm	\$10.95	\$9.95	\$8.95
2155401	Phihong	PSA15R-090P-R	9	1.67	15	90	±5%	74%	2.1mm x 5.5mm	15.95	14.95	13.95
2138951	Phihong	PSA11R-120	12	0.83	10	120	±1%	65%	2.1mm x 5.5mm	9.95	8.95	7.95
2154986	ReliaPro	FW75550/12	12	1.25	15	120	±1%	80%	2.5mm x 5.5mm	16.95	15.95	14.95
2155410	Phihong	PSC30R-240-R	24	1.25	30	240	±1%	80%	2.1mm x 5.5mm	17.95	16.49	14.95

*4 interchangeable clips included †US clip included

PARALAX Sharp IR Distance Sensor

This infrared distance measuring sensor uses triangulation of a beam of infrared light to reflect off an object to measure its distance. It is able to provide consistent and reliable readings which are less sensitive to temperature variation or the object's reflectivity.

- Distance range: 10cm to 80cm (3.9" to 31.5")
- Analog output voltage corresponds to distance
- Power requirements: 5 VDC, 30 mA (typ.)
- Operating temp range: +14°F to +140°F

More Sensors on pages 83 & 84

Part No.	Mfr. Part No.	Size	Connection	1	5
2150256	28995	1.75" x 0.74" x 0.53"	3-pin JST	\$14.95	\$13.95



Rover 5 Tracked Chassis

This is a durable robot platform with caterpillar treads that make it able to drive over many types of surfaces and uneven terrain.

- Two brushed DC motors with 87:1 gearboxes
- Speeds up to 10 in/s (25 cm/s) at 7.2V
- Durable plastic body • Elastic rubber tracks
- Adjustable height and clearance
- Batteries not included, suggest P/N 198707

Includes: 2 DC motors, 6-AA battery holder, small Phillips screwdriver, Allen wrench

See pages 167-170 for more Electronic kits

NEW
MARKED IN PINK

*Web Code: DGU



Part No.	Mfr. Part No.	Size	Weight	1	5
2143865	ROV5-1	9.5" x 9.0" x 3.0"	1.6 lbs.	\$49.95	\$46.95



LED Voltage Meter & LED Light Disk

LED Voltage Meter

- Measurement range: 4.5V-30V DC
- Accuracy: 1%
- Refresh Rate: 2 Hz
- Blue 7-segment LEDs • 2-wire connection
- Size: 1.88"W x 1.14"H (face), 1.80"W x 1.02"H (rear)

5 Volt RGB LED Disk

- Contains 7 surface-mount RGB LEDs
- Current consumption: 60mA each with 420mA in total
- Brightness: 6000 mcd
- Includes: 4-pin header • Size: 1.4"Dia.

2152323

Digital Meters, see pages 132-133

Part No.	Mfr. Part No.	Description	1	5
2152323	DFR0130-B	Stand-alone LED DC voltage meter	\$8.95	\$7.95
2152251	DFR0106	Light disk with 7 SMD RGB LEDs	10.95	9.95

4-Channel DC Motor Controller with Encoder Support

This motor controller was specially designed for use with the Rover 5 Tracked Chassis (left) and includes a quadrature encoder mixing circuit.

- 4x low resistance FET "H" bridges
- Each channel rated for 4A stall current
- Easy to use control logic
- Current monitoring for each channel
- Size: 3.75" x 2.75"

NEW
MARKED IN PINK

*Web Code: DGU



Motor Controllers on pages 92 & 93

Part No.	Mfr. Part No.	Motor Output	1	5
2150539	RS0111MC	4.5 - 12VDC	\$21.95	\$19.95

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above



Order by Phone at 1-800-831-4242 or Online at www.Jameco.com



Design & Sell Your Project as a Kit with Club Jameco!

Club Jameco is a new website that allows Jameco customers to create electronics projects. With no risk to the Designer, Jameco will source, build and sell the project as an electronics kit and pay the Designer a commission on every sale. Find out more at www.ClubJameco.com

Check out the best of Club Jameco. Here are some of the featured projects from Club Jameco.



FORREST M. MIMS III KITS AND BOOKS

Brought to life from the pages of his famous notebooks, these kits teach basic electronics principles while being fun and providing you with an entertaining device you can build yourself.

Go to www.Jameco.com/Forrest for complete selection of the book and kit bundles.

Atari Punk Console

Forrest developed the hugely popular Sound Synthesizer circuit, now known as the Atari Punk Console. This kit not only teaches you the skills to build, but the theory behind this audio electronics classic!

Part No.	Description	Price
2155487	Atari punk console	\$24.95



Toy Organ

Make some noise! The Toy Organ generates as many tones as you can imagine. You control the volume and pitch with buttons and potentiometers. Built using a simple 555 circuit from Forrest's well known Mini Notebook Series.

Part No.	Description	Price
2155508	Toy organ	\$44.95



Fridge Alarm

Trying to keep the midnight snackers at bay? You need a fridge alarm. This handy little gadget is a basic light-activated switch that sounds a piezo tone generator.

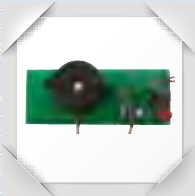
Part No.	Description	Price
2158717	Fridge alarm	\$16.95
2155495	Fridge alarm kit and Mims book	26.95



Vibration Sensor

The circuit shown here uses no moving parts to detect vibration. Instead, a piezo speaker element is used as a sensitive vibration sensor.

Part No.	Description	Price
2155532	Vibration sensor	\$19.95
2158098	Vibration sensor kit and Mims book	31.95



Forrest M. Mims Complete Set, 5 Books and 4 Kits

This collection is great for the hobbyist who wants to get into electronics. The set includes five Forrest Mims books and four electronic projects, soldering is required. Recommended soldering kit P/N 2132322, pg 149 (not included).

Part No.	Description	Price
2158725	5 book and 4 kit set	\$169.95



Forrest M. Mims 5 Book Set

Forrest's books are the best crash-course in electronics, from electronics basics to digital integrated circuits. Forrest doesn't stop at theory; the set of 5 books includes a collection of 100 hand-tested circuits for building.

Part No.	Description	Price
2158047	Complete 5 book set	\$69.95
2158709	Mini notebook 4 book set	52.95



Check out some really awesome project ideas at ClubJameco.com and vote for your favorites

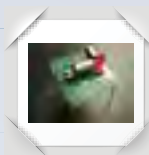
CLUB JAMECO PROJECTS

Available for the first time, Club Jameco Kits are here! These exciting new kits are designed by Club Jameco members.

Cyclops Walkbot – Project #20370

This mini desktop bot is a little hop happy but makes for some good fun. The build is perfect to practice your soldering skills, all while creating a simple, mobile, vibrating robot.

Part No.	Description	1	5
2158987	Cyclops walkbot kit	\$15.95	\$14.95



Mote-Lite – Project #20296

Having trouble seeing the remote control buttons in low light? Sounds like you need the Mote-Lite. The circuit is triggered by any movement, so just give it a shake and it shows you the way!

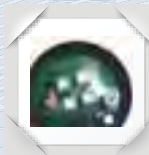
Part No.	Description	Price
2158821	Mote-Lite LED kit	\$19.95



Popcorn Strobe – Project #20308

This kit produces a flashing circuit similar to a strobe light and fits inside of a plastic gumball dome. Use a potentiometer to control rate of flash. Perfect for creating special effects in small places!

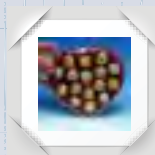
Part No.	Description	1	5
2159007	Popcorn strobe light kit	\$19.95	\$18.95



Pulsing LED Motion Sensor – Project #20307

Pimp your chocolates. This Atmel ATtiny13 circuit hides inside a small place and erupts in a mini light show when moved, perfect for hiding as a special secret inside a box of chocolates.

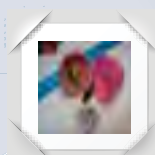
Part No.	Description	Price
2159066	Pulsing LED motion sensor kit	\$19.95



Audio Easter Eggs – Project #20527

This chirping egg is great for egg hunts, games or just a fun novelty. Originally designed for the blind, this little gadget is fun for all, especially when you build several and create a chorus of chirping eggs in a basket. Kit builds two eggs (plastic egg not included).

Part No.	Description	Price
2159103	Audio easter eggs	\$24.95



DIY 8x8 LED Matrix – Project #20258

This kit can be the starting point to all kinds of cool light. Build your own programmable LED QR code, or light up in a completely new way! LEDs not included.

Part No.	Description	1	5
2159146	8x8 LED matrix kit	\$44.95	\$39.95



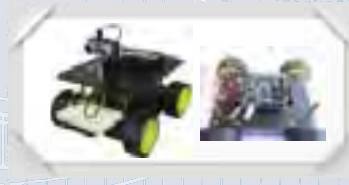
JAMECO BUILDS



J-Bot 4WD Robot

Everything you need to build your own customizable robot. The PING))) ultrasonic sensor-equipped bot will detect objects in its way and drive around them. The onboard Arduino microcontroller (not included) can be coded with endless possible programs and sensor options – where will your J-Bot take you? Provides hours of fun for the beginner or intermediate robotician in your life.

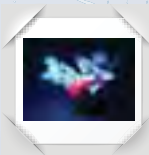
Part No.	Description	Price
2140285	J-Bot 4WD robot with PING))) ultrasonic sensor	\$159.95



LED Origami Flower

This easy and quick kit is sure to get oohs and aahs. Battery powered on a baby breadboard the RGB LEDs illuminate paper flowers and phase through multi-colored patterns.

Part No.	Description	Price
2155567	LED origami flower	\$17.95



LED Color Organ

Building on the success of one of the most popular kits at Jameco, we've added an easy to solder version that just about anyone can assemble. The kit comes with everything you need to be flashing to the beat in no time.

Part No.	Description	Price
2155541	LED color organ	\$44.95



USB Charger Kit with 5V Output

Has your phone or iPod ever died when you needed it the most? This quick mini battery charger can be used for all your USB powered small electronics – just plug-in and get back to play!

Part No.	Description	1	5
2155516	USB charger kit	\$14.95	\$13.95



DIY LED Cube 4x4x4

64 LEDs makes up this 4x4x4 cube, controlled by an Atmel Atmega16 microcontroller. Each LED can be addressed individually in the software, enabling it to display amazing 3D animations!

Part No.	Description	Price
2146329	LED 4x4x4 cube	\$69.95



Customer Number



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even more products on
our website

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DC Motors

★ Web Code: FBN



Motors are used in numerous applications
such as robots, cars, doors, and much more.

More DC Motors on page 90

2155153

Part No	Mfr.	Mfr. Part No.	Nominal Voltage (VDC)	Voltage Range (VDC)	@ Maximum Efficiency			Efficiency (%)	Pricing		
					Current (A)	Speed (RPM)	Torque (g-cm)		1	10	50
238511	ReliaPro	RF-500TB-12560	6	1.5-12	0.08	2180	11.6	50.6	\$3.95	\$3.49	\$2.75
2095533	Mabuchi	RK-270SH-16175	9	4.5-18	0.37	6320	32.5	63.7	2.95	2.49	1.95
2081895	Mabuchi	FC-280ST-18180	12	8-15	0.16	9700	54.3	59	1.19	.99	.75
1810099	Mabuchi	FK-260SA-14280	12	12-24	0.063	8600	14.8	55	1.75	1.49	1.25
2155153	Nichibo	PC-260SB-10400-NR/38	12	0-15	0.15	4719	97.7	55	1.95	1.75	1.49
2081908	Mabuchi	FK-260SA-10400	12	0-15	0.13	5330	16.3	58.4	1.49	1.25	1.09
2155250	Nichibo	MD3BN-14280-R/51	12	6-18	0.268	5260	222.1	63	2.75	2.49	2.25
2120461	Mabuchi	RS385PH-10280	24	12-30	0.13	3538	46.3	55.6	1.95	1.75	1.49



Parallel LCD Display Modules

JAMECO ValuePro

★ Web Code: GCG

These displays provide a clear screen with fast data rate transfers at an affordable price. It's a combination that just can't be beat.

• Input voltage: +5V

See pages 31-32 for more LCD Displays

618003



Part No	Mfr.	Mfr. Part No.	Characters	Input Data	Letters-Backlight	Module Size	1	10	50
2081166	Optrex	DMC16249	16 x 2	4-bit or 8-bit	Black-Gray	3.1"L x 1.4"W	\$8.95	\$7.95	\$6.95
618003	Hantronix	HDM716216H-5-3005	16 x 2	8-bit	Black-None	3.2"L x 1.4"W	9.95	8.95	7.95
2115469	Hantronix	HDM20216H-3-VH0S	20 x 2	8-bit	Yellow-White	4.6"L x 1.5"W	7.95	6.95	5.95
2155372	ValuePro	HC20216NYU-LYVO	20 x 2	8-bit	Black-Yellow/Green	5.7"L x 1.7"W	15.95	14.49	11.95
2155428	Hantronix	HDM3224-1-WJ1F	320 x 240 *	8-bit	Gray-White	6.6"L x 4.3"W	34.95	31.95	25.95

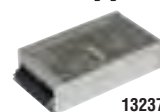
*Pixels



Mean Well AC/DC Power Supplies

Mean Well power supplies come in a variety of packages for all your power needs. There is a power supply available for every application.

Complete Selection of Power Supplies on pages 106-110 & 115-124



132371



192699



172065

Part No.	Mfr. Part No.	Description	Output Voltage @ Max. Current	Input Voltage	1	5	25
132371	Q-120D	124W quad-output enclosed type	+5V @ 8A; +12V @ 2A; +24V @ 2A; -12V @ 1A	88-132VAC/176-264VAC @ 47-63Hz* or 248-370VDC	\$54.95	\$44.95	\$38.95
192699	DR-4512	42W single-output DIN rail type	+12V @ 3.5A	85-264VAC @ 47-63Hz or 120-370VDC	24.95	22.49	20.49
2105674	PS-15-15	15W single-output open type	+15V @ 1.0A	85-264VAC @ 47-63Hz or 120-370VDC	8.95	7.95	7.25
221613	P30B-6P2JT	27W 2-wire table-top type	+24V @ 1.12A	90-264VAC @ 47-63Hz or 135-370VDC	24.95	23.95	21.49
373203	DR-30-24	36W single-output DIN rail type	+24V @ 1.5A	85-264VAC @ 47-63Hz or 120-370VDC	20.95	19.49	18.49
212282	DR-75-24	77W single-output DIN rail type	+24V @ 3.2A	85-264VAC @ 47-63Hz or 120-370VDC	39.95	36.95	33.95
1585750	CLG-100-36	95W single-output LED type	+36V @ 2.65A	90-264VAC @ 47-63Hz or 127-370VDC	29.95	24.95	19.95
172065	SPU50-9U	60W 3-wire table-top type	+48V @ 1.25A	90-264VAC @ 47-63Hz or 135-370VDC	22.95	21.49	19.95
167346	S-150-48	154W single-output enclosed type	+48V @ 3.2A	88-132VAC/176-264VAC @ 47-63Hz* or 248-370VDC	33.95	31.49	28.95

*Switch selectable